

CA1
SS20
-1974
D32

CA1
SS20
-1974
D32

CTORY OF

AL ACTIVITIES

FIELD OF EDUCATION,

973



Prepared in the

Policy Division
Education Support Branch
Department of the Secretary of State

by

I. M. Bradley & G. Nolin



CA1
SS20
1974
D32

A DIRECTORY OF
FEDERAL ACTIVITIES
IN THE FIELD OF EDUCATION,
1972-1973

This document is a listing of federal activities in education. It includes:
• Federal programs and activities
• State and local educational agencies
• Other federal agencies
• The documents listed provide information on:
• Programs of various federal agencies
• Policies of various federal agencies
• Federal laws and regulations
• Federal grants and contracts
• Federal employment opportunities
• Federal publications
• Federal publications

Prepared in the

Policy Division
Education Support Branch
Department of the Secretary of State

by

I. M. Bradley & G. Nolin



Digitized by the Internet Archive
in 2023 with funding from
University of Toronto

<https://archive.org/details/31761117099630>

CONTENTS

PAGES

INTRODUCTION	1
BACKGROUND & METHODOLOGY	1
TERMS & DEFINITIONS	3
EDUCATION	3
TYPES OF SUPPORT	3
Grants	3
Contracts	4
Allowances	4
Fellowships	4
Bursaries	4
Scholarships	4
Loan Guarantees	5
Direct Federal Loans	5
Tax Deductions	5
RECIPIENTS OF SUPPORT	5
MAJOR FIELDS OF SPECIALIZATION	6
Agriculture & Biological Sciences	6
Education	7
Engineering & Applied Sciences	7
Fine & Applied Arts	8
Health Specializations	8
Humanities & Related	9
Mathematics, Physical Sciences, Earth, Marine & Space Sciences	9
Social Sciences & Related	10

PAGES

DEPARTMENTS & AGENCIES	12
Agriculture	13
Atomic Energy of Canada Limited	16
Atomic Energy Control Board	18
Canada Council	20
Canadian Broadcasting Corporation	25
Canadian International Development Agency	26
Canadian Penitentiary Service	31
Canadian Radio & Television Commission	33
Canadian Transport Commission	34
Central Mortgage & Housing Corporation	35
Communications	38
Consumer & Corporate Affairs	39
Defence Research Board	40
Eldorado Nuclear Limited	41
Energy, Mines & Resources	42
Environment	43
External Affairs	48
Finance	49
Indian & Northern Affairs	55
Industry, Trade & Commerce	68
Justice	70
Labour	71
Manpower & Immigration	73
Medical Research Council	78
National Defence	81
National Film Board	89
National Health & Welfare	90
National Museums	104
National Research Council	107

	<u>PAGES</u>
Regional Economic Expansion	131
Secretary of State	133
Science Council of Canada	140
Solicitor General	142
Statistics Canada	144
Transport	146
Urban Affairs	149
Veterans Affairs	150

APPENDIX A TABLES

Table 1 - Total Federal Government Support of Educational Activities, 1972-73	154
Table 2 - Support to Faculty Members	155
Table 3 - Support to Students by Type of Support	156
Table 4 - Support to Students by Level of Study, Type of Support, Department/Agency	157
Table 5 - Support to Institutions not operated by Federal Department/Agency	158
Table 6 - Support through Governments and Level Supported	159
Table 7 - Support of Institutions operated by Federal Departments & Agencies	160
Table 8 - Miscellaneous Support of Educational Activities	161

APPENDIX B PARTICIPATING DEPARTMENTS & AGENCIES..... 162

INTRODUCTION

BACKGROUND & METHODOLOGY

In 1971, the Education Research and Liaison Branch, Department of the Secretary of State, published "A Directory of Federal Activities in Education and Research". Responses to the directory were favourable; requests for copies have been numerous; continuous internal use has been made of the document. This current document is an outgrowth of the first. In the earlier document, the method used to collect information and data was generally informal; working through contacts obtained by using the government telephone directory and "word-of-mouth".

This publication is a product of a more formal "Survey of Federal Government Activities in the Field of Education, 1972-73" conducted by the Education Support Branch during the summer of 1974. Designed in collaboration with some other federal departments and agencies, the survey questionnaire sought to prepare a comprehensive base for collection of continuous information pertaining to the federal government's involvement in programs and activities affecting education.

Using a survey questionnaire, 67 departments and agencies were asked to provide quantitative and qualitative information pertaining to their support of education related activities: 38 departments and agencies reported educational components amounting to \$1.974 billion. The data requested included types and recipients of support, level of expenditures affecting education, conditions under which support was provided, the regional distribution and the amount of support, and selected recipient characteristics. The structure within which each department/agency was requested to provide information was the activity-program structure utilized in the Main Estimates "Blue Book". Thus, where possible, every department and agency

completed one questionnaire for each activity which was educational in nature or which has at least one unit or component which was educational.

This directory, intended to serve as a general inventory of federal government involvement in education contains selected information obtained from the survey, and, in some instances is supplemented with information contained in the annual reports and other published documents of participating departments and agencies. For each department/agency reporting support of education for the 1972-73 fiscal year, the following type of information has been included:

- * identification of the program and activity in which the educational involvement occurred;
- * a brief description of the educational component including year established, objectives of the educational component, and collaboration and consultation with other organizations, where relevant;
- * the type of support, recipient of support and level of the educational system receiving assistance;
- * conditions under which support was provided;
- * total amount of support in nearest hundred dollars;
- * in the instances where individuals received support, the number of awards made in 1972-73 and the fields of specialization of the individuals receiving the support;
- * the address of the department and/or agency.

TERMS & DEFINITIONS

EDUCATION

For purposes of the survey, an activity or component of an activity was related to education if it provided support to students, faculty, educational institutions and/or governments for purposes of formal instruction or research at any educational institution, at home or abroad, at all levels, including elementary and secondary education, post-secondary (university and non-university), and vocational (trade) training. Included were language courses for immigrants, support of military colleges granting degrees, schools run for dependents of employees, and, schools for Indian or Eskimo children. Excluded was federal government involvement in activities which could be considered strictly personnel, in-house-professional development, and/or trade training, i.e. language courses for federal employees, and other in-house, on the job training.

TYPES OF SUPPORT

The major types of educational support that have been identified are as follows:

GRANTS

Grants are funds awarded to students, faculty, educational institutions and/or governments to assist them in the performance of projects initiated and controlled by the recipients.

There are two kinds of grants: research grants, awarded specifically for research and related purposes, and, regular grants or contributions often used for operating or capital purposes.

CONTRACTS

Contracts are funds awarded to students, faculty, educational institutions and/or governments as compensation for the performance of projects generally initiated by the funder. Terms and objectives of the work are defined by the contracting programs, and accountability of the funds expended is required. As with grants, contracts can be specifically for research and related purposes, or, can be for other specific projects and services.

ALLOWANCES

Allowances are financial assistance given to students and/or parents purely in recognition of full-time attendance at an educational institution (often includes support for lodging, food, etc.).

FELLOWSHIPS

Fellowships are funds awarded to individuals to assist them in carrying out projects usually aimed at developing their research competence or training. They are usually related to candidacy for high-level academic studies, i.e. graduate and post-graduate training and/or specialized research training for faculty members.

BURSARIES

Bursaries are awards given to students who demonstrate financial need and have reached a designated level of achievement in their studies.

SCHOLARSHIPS

Scholarships are awards given without an assessment of financial need, to students of superior academic standing.

LOAN GUARANTEES

The agency lending the funds is guaranteed to obtain repayment. In the event that the loan recipient defaults, the government agrees to reimburse the lender.

DIRECT FEDERAL LOANS

Financial assistance is provided directly from federal funds (i.e., the lender is the government) on the understanding that principal and interest will be fully or partially repaid by the borrower.

TAX DEDUCTIONS

Taxes foregone as a result of certain deductions related to education.

RECIPIENTS OF SUPPORT

In 1972-73, recipients of support for educational purposes have been identified as:

Governments - foreign
- provincial
- municipal

School Boards

Contracting Agencies

Individuals - Faculty members (in university only)
- Students (on all levels of the educational structures)
- Parents

(Continued on page 6)

- Institutions - Operated by federal departments
 - universities
 - elementary & secondary schools
 - residences
- Partially supported, but not operated by a federal department
 - universities and colleges
 - trade and/or vocational schools
 - elementary and secondary schools

MAJOR FIELDS OF SPECIALIZATION

Using the categories of the major fields of study identified by the Highly Qualified Manpower Survey, conducted in 1973 by the Ministry of State for Science & Technology and Statistics Canada, the specializations individuals may be in have been classified as follows:

AGRICULTURE & BIOLOGICAL SCIENCES (Excluding Health Professions)

Agriculture (excluding Agricultural economics, Agricultural engineering, landscape architecture)

Biochemistry (non-medical graduates only)

Biology (including non-medical biophysics)

Botany (excluding paleobotany)

Dietetics and nutrition

Forestry

Household science and related (excluding dietetics, nutrition, and interior design)

Veterinary medicine and science

Zoology (excluding paleontology) (including fishery science)

EDUCATION

Elementary, kindergarten and pre-school
Exceptional groups of children (blind, deaf, etc)
Physical, health education, and recreation
Practical or vocational subjects (e.g., art, commerce, industrial arts, etc.)
Secondary school, other teaching fields
Education - Non-teaching fields
Counselling and guidance
Educational administration and organization
Educational psychology
Education (Unspecialized)
Other non-teaching fields (including theory)

ENGINEERING & APPLIED SCIENCES

Aeronautical engineering (including astronautical, aero space)
Agricultural engineering
Architecture (including landscape)
Biomedical engineering (including biomedical electronics)
Chemical engineering
Civil engineering (including hydraulic, sanitary, surveying, geodesy, transportation)
Electrical (including electronic engineering)
Engineering science, engineering physics
Geological engineering
Industrial engineering (including design and systems engineering)
Mechanical engineering

Metallurgical engineering, materials science

Mining engineering

Petroleum engineering

Other engineering (ceramics, environmental, forestry, marine, naval architecture, nuclear, ocean engineering, textile, etc.)

FINE & APPLIED ARTS

Art (including painting, print-making and sculpture)

Music

Other fine & applied arts (drama, interior design, etc.)

HEALTH SPECIALIZATIONS

Dentistry

Medicine, basic sciences (medical biochemistry, medical pharmacology, etc.)

Medicine, family or general practice

Medicine, medical specializations (internal, paediatrics, psychiatry, etc.)

Medicine, paraclinical sciences (medical bacteriology, medical immunology, medical parasitology, etc.)

Medicine, surgery and specializations in surgery (obstetrics, neurosurgery, heart surgery, etc.)

Nursing (including nursing education)

Pharmacy

Public health and hygiene

Rehabilitation medicine (occupational and physical therapy, audiology, etc.)

Other health specializations (optometry, medical technology, dental hygiene, etc.)

HUMANITIES & RELATED

Classics, classical languages
History
Library and Records Science
Modern Language and Literature (English)
Modern Language and Literature (French)
Modern Languages and Literature (all others including comparative literature)
Philosophy
Religious studies (including theology)
Translation and interpretation
Other humanities and related (creative writing, journalism, mass media studies, etc.)

MATHEMATICS, PHYSICAL SCIENCES, EARTH, MARINE & SPACE SCIENCES

Astronomy and astrophysics
Chemistry, analytical
Chemistry, inorganic
Chemistry, organic
Chemistry, other (excluding biochemistry)
Computer Science
Geology and related earth sciences (including geophysics, geochemistry, paleontology, paleobotany)
Mathematical Statistics
Mathematics, other (including actuarial science, operations research)
Metallurgy, materials science (excluding engineering)
Meteorology and other atmospheric sciences
Oceanography, marine science
Physics
Sciences (general)

SOCIAL SCIENCES & RELATED

Administration and management, institutional
(excluding schools, etc., but including
hospital, hotel and restaurant
administration)

Agricultural economics

Anthropology (including anthropolinguistics)

Archaeology

Area studies (Canadian studies,
Islamic studies, etc., excluding
those concerned primarily with the
languages or literature of an area)

Business administration (unspecialized)

Commerce (specialization in accounting)

Commerce (unspecialized)

Commerce - other specialized commerce
or business administration (marketing,
industrial relations, finance, etc.)

Criminology

Economics (except agricultural)

Geography (excluding earth science,
urban and regional planning)

Law

Linguistics (excluding anthropolinguistics)

Man/environment studies (regional, rural,
urban or town planning, community
development, resource management, etc.,
excluding landscape architecture;
environment engineering)

Political Science (including military
studies but excluding public administration)

Psychology, clinical (excluding
vocational counselling)

Psychology, social (including industrial
psychology but not educational)

Psychology, other (excluding educational
psychology, school and vocational
counselling and guidance)

Public administration

Secretarial science

Social work

Sociology (including demography,
sociology of education)

Other social sciences and related
(general programmes, etc.)

DEPARTMENTS
&
AGENCIES

AGRICULTURE

PROGRAM Research

SUB-ACTIVITY Extramural Research Grants

This program of research grants, established in 1952, is designed as a mechanism for providing assistance to university researchers (including graduate students) as well as meeting the research objectives of Agriculture Canada.

Research Grants to Faculty

Extramural Research Grants are awarded to staff members of Canadian universities for support of research directly related to the goals and objectives of Agriculture Canada's Research program. Recipients must meet these basic criteria and agree to conduct the research if funds are provided.

Each proposal is evaluated in terms of its relationship to the research objectives of the department; this includes a consideration of the problem to be examined, methodology to be used, probability of success, competence of the investigator and timeliness.

Expenditure	\$ 150,000
Number	25
Specialization	
	Agriculture &
	Biological Sciences;
	Social Sciences &
	Related

AGRICULTURE

SUB-ACTIVITY Operating Grants

A series of operating grants, established in 1966, are awarded as contributions to the normal operating costs of research projects having definite implications and value to the agricultural industry. A substantial portion of the funds is devoted to stipends for student support.

To prevent duplication in granting funds for specified projects, collaboration with the National Research Council takes place through participation as Operating Grants Committee member on the Selection and Screening Committee, NRC Grants Committee.

The Agriculture Canada Operating Grants Committee is comprised of 3 Agriculture Canada members and 7 university representatives who participate in a "peer" evaluation process.

Research Grants to Faculty

Expenditure	\$	550,000
Number 146		
Specialization		
Agriculture &		
Biological Sciences;		
Engineering & Applied		
Sciences; Social		
Sciences & Related		

SUB-ACTIVITY Post-Doctoral Fellowships

i
The Post-Doctoral Fellowships sub-activity, established in 1954, is designed to give promising scientists the opportunity to work with distinguished men in their respective fields before embarking on careers in scientific research, and to stimulate the research effort of establishments by bringing into the

AGRICULTURE

laboratories high quality young scientists from institutes of higher learning throughout the world.

The Postdoctorate Fellowship Scheme is administered by the National Research Council on behalf of Agriculture Canada. Selection Committee decisions are approved by an Inter-departmental Committee of which the Assistant Deputy Minister (Research) is a member.

On-going contact takes place between directors and research scientists with respect to prospective candidates throughout the world.

Fellowships to Post-Doctoral Students

Applicants should possess or expect to obtain a Ph.D. degree before taking up an award; normally they should not have reached their 36th birthday before an award is taken up; applicants must meet all Canadian immigration requirements.

Criteria in providing support are based upon an evaluation of: the candidate; academic background; the candidate's proposed supervisor; the field of research; and, compatibility of the team in light of the above.

Expenditure	\$	188,100
Number	34	
Specialization		
Agriculture &		
Biological Sciences		

TOTAL	\$	888,100
-------	----	---------

CONTACT	Information Division Agriculture Canada Sir John Carling Building Carling Avenue Ottawa K1A 0C5	Telephone 994-5533
---------	---	--------------------

ATOMIC ENERGY OF CANADA LIMITED

PROGRAM	Nuclear Research and Utilization
ACTIVITY	Nuclear Power Development and Utilization

The educational component of the Nuclear Power Development and Utilization activity is designed to assist in research and development of the Atomic Energy of Canada nuclear power program.

Consultation and collaboration with respect to the educational component occurs with other federal departments and/or agencies and with provincial research councils and/or utilities. The results of the research may be made available to industry.

Research Contracts with Universities

Research contracts are made with institutions possessing recognized ability in specific fields of research compatible with the goals of AECL.

Expenditure	\$ 395,000
-------------	------------

ACTIVITY	Radiation and Radioisotope Development and Utilization
----------	--

The educational component of the Radiation and Radioisotope Development and Utilization activity is designed to support research and development which could assist in improving cancer therapy treatment by radiation.

ATOMIC ENERGY OF CANADA LIMITED

Research Contracts with Universities

Research contracts are made with institutions possessing recognized ability in specified fields of research compatible with the goals of AECL.

Expenditure	\$	192,000
-------------	----	---------

TOTAL	\$	587,000
-------	----	---------

CONTACT

Atomic Energy of Canada Limited
Head Office
275 Slater Street
Ottawa K1A 0S4

Telephone 237-3270

ATOMIC ENERGY CONTROL BOARD

PROGRAM Atomic Energy Control

ACTIVITY Support of Atomic Energy Research

Support of Atomic Energy Research commenced in 1947. The programs of research continuously are evaluated against their objectives.

Grants-in-aid for research are awarded by the Board on the advice of a joint National Research Council/Atomic Energy Control Board Visiting Committee, which coordinates the nuclear physics installation grants for the two organizations. The Committee assesses applications for grants and makes a recommendation on the allocation of available funds to both its sponsoring organizations. Grantees normally are visited annually by the Committee or its representatives.

Research Grants to Faculty

The researchers must apply to the Board for support. The applicant must be a member of a university, a research institute, or a research centre and work in the field of atomic energy.

There are no specific written criteria established for providing support. The joint committee makes a personal appreciation of the project using the "peer" system; sometimes the performance is judged by the scientific publication written by the researcher.

Expenditure	\$ 2,499,000
Number	13
Specialization	Engineering & Applied Sciences; Mathematics, Physical Sciences, etc.

ATOMIC ENERGY CONTROL BOARD

Research Contracts with Faculty

Research agreements can be initiated by universities or by the Board; terms and objectives of the work are defined by an agreement between the Board and the university; and, accountability of the funds expended is required.

Expenditure	\$	96,000
Number	3	
Specialization		
Engineering & Applied Sciences; Mathematics, Physical Sciences, etc.		

Research Grants to Universities

An amount of \$5,300,000 was voted by Parliament for the TRIUMPH facility. This facility includes a novel type of cyclotron that can produce powerful beams of high energy protons. The cyclotron is located on the campus of University of British Columbia and is jointly sponsored by that university, the University of Alberta, the University of Victoria and Simon Fraser University.

Expenditure	\$	5,300,000
TOTAL	\$	7,895,000

CONTACT	Atomic Energy Control Board Martel Building 270 Albert Street P.O. Box 1046 Ottawa K1P 5S9	Telephone 995-6941
---------	--	--------------------

CANADA COUNCIL

PROGRAM	Canada Council
ACTIVITY	Humanities and Social Sciences

The Canada Council, established in 1957, is an independent body responsible for the promotion of the arts, humanities and social sciences primarily through a system of fellowships and grants. The specific fields or areas of specialization supported are as follows:

Administrative Studies; Anthropology; Archaeology; Architecture & Design; Classics; Communication Studies; Criminology; Demography; Economics; Education; Geography; History; Information Science; Industrial Relations; Literature; Law; Linguistics; Mathematics; Music; Philosophy; Psychology; Political Science; Religious Studies; Social Work; Sociology; Theatre; Urban & Regional Studies; Visual Arts.

Scholarships to Master's Students

Candidates for the Special M.A. Scholarships are nominated by a faculty member of a Canadian university; they must be in the final year of an Honours B.A. program or its equivalent at a Canadian university, or hold a B.A. Honours degree or equivalent from a Canadian university. The candidate must have first class standing in the present or previous course of studies and intend to pursue full-time graduate study for a Master's degree at a Canadian university. Canadian citizenship is also a requisite.

Four regional committees interview the candidates in their area. Individuals to be recommended for an award are presented to a national committee composed of the regional chairmen. The national committee

CANADA COUNCIL

makes a final selection of award holders and alternates according to the number of awards available (100). Candidates are judged on their academic achievement and the program of studies to be undertaken.

Expenditure	\$	400,000
Number	100	

Fellowships to Doctoral Students

Doctoral Fellowships may be awarded to persons who by the time the award is taken up will have completed one year of graduate study beyond Honours B.A. or equivalent and will be registered in a program of studies leading to Ph.D. or equivalent. Fellowships for tenure in Canadian universities are available to Canadian citizens and landed immigrants as of December 15 of year preceding year of tenure. Fellowships for tenure abroad to Canadian citizens and to landed immigrants are provided under certain conditions.

Fellowships are awarded through competition; candidates are selected by juries, according to discipline, on academic merit and suitability of program presented.

Expenditure	\$	8,800,000
Number	1,960	

Research Fellowships to Faculty

Applicants are scholars with higher degrees and some post-secondary teaching experience in the Humanities and Social Sciences. They must have a well-developed research program; be ineligible for sabbatical leave; and not previously had extended leave of six months or more for research purposes. Recipients must be on leave without pay and work full-time on the proposed research plan during tenure; they must be Canadian citizens, or landed immigrants under certain conditions.

CANADA COUNCIL

Fellowships are awarded through competition and are selected by juries representing the appropriate disciplines. Canadian citizens are given preference.

Expenditure	\$ 250,000
Number 25	

Research Grants to Faculty

Grants are made to career scholars in Canadian universities for advanced research initiated by the faculty member involved. Grants are intended to defray actual direct costs of a coherent project having a clearly defined objective and a well defined plan for reaching that objective.

Applications for research grants are evaluated for the significance and feasibility of the project, as well as, qualifications of the applicant to carry out the proposed research. The Council makes its decisions based on the confidential evaluations of the assessors and the advice of an Academic Panel.

Expenditure	\$ 4,171,000
Number 769	

Leave Fellowships to Faculty

Applicants must be university scholars who, while on leave of absence, will be engaged in some form of creative scholarship (research or study) and who at the time of taking up the award will be on partial salary and will have held full-time faculty appointments at Canadian universities for at least 5 years since 1968. They must be Canadian citizens or have landed immigrant status.

CANADA COUNCIL

Fellowships are awarded through competition and are selected by juries representing the appropriate disciplines. Canadian citizens are given preference.

Expenditure	\$ 2,382,000
Number 300	

Travel Grants to Faculty

Travel assistance to annual meetings of Canadian learned societies are given in block grants to the Humanities Research Council and the Social Science Research Council. Limited number of travel grants are available to full-time members of Canadian university faculties who are Canadian citizens or established residents of Canada. Funds also may be used for participation in international learned conferences.

Expenditure	\$ 266,000
Number 48	

Grants to Universities

Three types of grants are provided. They are:

Grants for scholarly publication - The learned journals must be published and edited in Canada, have a regular schedule of publication and meet other conditions as to content, sponsorship, and purpose. Grants are awarded on the basis of quality; the size of the grant is determined by a formula.

Grants for scholarly manuscripts - They are assisted through block grants to the Humanities Research Council and the Social Science Research Council. Only book-length manuscripts of advanced scholarly research which make an original contribution to knowledge are assisted.

CANADA COUNCIL

Conferences grants - They are given to universities or learned societies for occasional meetings or colloquia in Canada. They are primarily intended to encourage communication among scholars across Canada who share common interests.

Expenditure	\$ 1,424,000
-------------	--------------

ACTIVITY	The Arts
----------	----------

SUB-ACTIVITY	Artists-in-Residence
--------------	----------------------

This scheme is designed to provide grants to universities or colleges permitting them to appoint some artists-in-residence. The artists creative presence is considered beneficial both to the artist and the community.

Grants to Universities

Expenditure	\$ 54,000
-------------	-----------

Grants to Colleges

Expenditure	\$ 18,500
-------------	-----------

TOTAL	\$ 17,765,500
-------	---------------

CONTACT

Canada Council
151 Sparks Street
Ottawa K1P 5V8

Telephone 237-3400

CANADIAN BROADCASTING CORPORATION

PROGRAM Canadian Broadcasting Corporation
ACTIVITY Broadcast Production

The educational component of the Broadcast Production activity is designed to produce educational broadcasts for use in the educational systems. Frequently broadcasts are made in consultation with provincial Departments of Education.

Educational Broadcasts for Universities

Expenditure \$ 2,000

Educational Broadcasts for Elementary and Secondary Schools

Expenditure \$ 1,389,000

TOTAL \$ 1,391,000

CANADIAN INTERNATIONAL DEVELOPMENT AGENCY

PROGRAM	Canadian International Development Program
ACTIVITY	Assistance to Canadian Scholars for Studies related to International Development

The scholarship scheme, established in 1969, is designed to develop a body of Canadians, competent and expert in the field of international development, from which future employees of CIDA may be drawn; and, to encourage Canadian universities to develop formal programs of study in the field of international development, particularly in those areas in which CIDA identifies a need for expertise.

Scholarships to Students

In order to qualify for support, scholarship candidates must be Canadian citizens and have completed a provincially recognized post-secondary course of studies.

The program of study need not be designed in pursuit of an academic qualification; however, a clear description of the potential program and the career intentions of the candidate are significant. Preference is given to candidates who have actual experience in development work.

Successful candidates are chosen by a Selection Committee which includes CIDA officials, along with representatives from the Association of Universities and Colleges in Canada and the Canadian University Service Overseas.

Expenditure	\$	37,400
Number	8	
Specialization		
Agriculture &		
Biological Sciences;		
Education; Engineering		
& Applied Sciences;		
Social Sciences &		
Related; Technologies		

CANADIAN INTERNATIONAL DEVELOPMENT AGENCY

PROGRAM Canadian International Development Program

SUB-ACTIVITY Involvement in Educational
Development Assistance*

Canada's involvement in education assistance began with its membership in the Colombo Plan, 1950. (CIDA became an official independent agency in 1967).

Initially, Canada's involvement concentrated on trainees in Canada and advisers abroad; in 1955 teachers also were sent overseas.

The responsibility for conducting realistic educational strategies ultimately lies with the developing countries; however, from a Canadian viewpoint main policy rationale and substantive aims of educational assistance are to improve and strengthen the educational systems overseas through the application of knowledge existing in the Canadian educational community, and, to further the development of the human resources of the recipient countries, and so to effect their economic, social and political development.

In early stages Canadian policy was to undertake composite projects wherever possible -- building and equipping schools and colleges, providing staff for the early years of operation, and training in Canada for selected personnel who later would return home to form the permanent staff of such institutions. To assist universities in developing countries to establish new faculties or departments, a policy was adopted to enter into contractual arrangements with Canadian universities who in turn assumed responsibility in assisting universities overseas.

*CIDA's involvement in "educational" activities does not readily fall into the structure (activity-program) utilized for other departments/agencies. Frequently their assistance cuts across several activities.

In meeting early requests for teachers, priority has generally been placed on teacher training positions and senior posts in secondary schools. Each assignment was expected to include contributions to in-service training, curriculum development and improved methods of instruction. Areas of specialization centered on Mathematics and Science, second-language learning (English and/or French) and technical and vocational subjects.

In 1967-68 the Canadian training program began to lay increased stress on the need to relate training to priority manpower needs in the developing countries. Increased emphasis was also given to graduate and specialist training over undergraduate courses.

By 1969 "third country training" became a point of concentration. Under this program students financed by CIDA are trained in another developing nation near their own homeland. In adopting the policy it was felt that such a plan would reduce culture shock and problems of re-adjustment, courses would be more applicable to the milieu in which the student would work, and the programs would strengthen training institutions in the developing countries.

Since 1970-71 a trend is evident away from assistance in secondary schools (with the exception of Francophone Africa) and towards support of technical institutions and trade schools. Teacher training still shows an increase, but again a good deal of this is on technical training. Agricultural extension work showed an increasing emphasis, and though the amount of involvement was small, instances of support of non-formal education began to appear.

CANADIAN INTERNATIONAL DEVELOPMENT AGENCY

CIDA does collaborate and consult with other federal departments/agencies. This is primarily through outside committees: liaison with other federal departments, is formalized through the Canadian International Development Board, the Interdepartmental Committee on Development Assistance, and the Interdepartmental Committee on External Relations.

A considerable degree of cooperation exists between CIDA, provincial departments of education, and educational institutions across Canada. Provincial departments sometimes assist in recruitment, often assist in selection, and are always involved in arrangement of secondments. Other provincial departments, as well as those of education, cooperate when it comes to arranging suitable practical training programs in Canada, as do the educational institutions which accept CIDA trainees each year.

Canadian professors serve as members of university faculties and departments directly linked with national development programs in agriculture, engineering, education and the sciences. Besides this, some Canadian universities are "twinning" with universities in developing countries. This normally means an exchange of staff, with Canadian professors serving abroad, and staff from the university in the developing nation coming to Canada to study.

Expenditures related to Technical Assistance

Expenditure	\$ 39,670,000
-------------	---------------

Contributions to Development Assistance Projects of Non Government Organizations (i.e. Canadian Universities and Colleges)

Expenditure	\$ 810,000
-------------	------------

CANADIAN INTERNATIONAL DEVELOPMENT AGENCY

Technical Assistance as of January 1, 1973.

Students and trainees from 60 countries -
studying in Canada

Number 1607

Training in institutions of 3rd country

Number 322

Canadians in overseas locations
Advisers

Number 268

Educators

Number 704

TOTAL

\$ 40,517,400

CONTACT

Canadian International Development Agency
Information Services Division
Jackson Building
122 Bank Street
Ottawa K1A 0G4

Telephone 995-6616

CANADIAN PENITENTIARY SERVICE

PROGRAM Correctional Services
ACTIVITY Rehabilitation of Inmates
SUB-ACTIVITY Academic Education

This sub-activity, established in 1947, is designed to provide educational opportunities "in their widest scope" to inmates and, to provide programs of adult education that will contribute to the rehabilitation of the inmates.

In recent years, there have been some changes in activity emphasis: the correctional education programs are turning more and more to resources available in the community through agreements with outside educational agencies.

At the provincial level there is cooperation and consultation with the Departments of Education. In Ontario schools in penitentiaries are registered within the Ministry of Education Act. In addition, contracts are negotiated with school boards and colleges for the supply of basic academic upgrading services and some post-secondary programs; contracts are negotiated with universities for the supply of upgrading courses and a program of university credit courses.

Contracts with Institutions (Elementary & Secondary, Post-Secondary university & non-university)

The policy is to negotiate contracts with colleges and universities in order to benefit from the expertise now available in adult education across the country. The school or college involved extends its campus offering incarcerated inmate students the same testing, teaching procedures, curriculum and accreditation as is

CANADIAN PENITENTIARY SERVICE

available to regular students. All contracts are to be submitted to Headquarters, approved by Treasury Board, and then signed by the Commissioner.

Expenditure \$ 338,100

Contracts with School Boards (for Elementary & Secondary education)

Conditions are the same as with institutions above.

Expenditure \$ 78,000

Internal Academic Program

Some 60 of the Canadian Penitentiary Services own staff in various institutions across Canada offer instruction to 700 inmate-students at the elementary and secondary levels.

Expenditure \$ 1,000,000

TOTAL \$ 1,416,100

CONTACT

Canadian Penitentiary Service
Sir Wilfrid Laurier Building
Ottawa K1A OP9

Telephone 996-7345

CANADIAN RADIO-TELEVISION COMMISSION

PROGRAM Canadian Radio-Television Commission

ACTIVITY Research

The CRTC conducts research which analyzes trends, innovations and changes affecting the Canadian Broadcasting system. This research is incorporated in the policy making and planning of the Commission.

Research Grants to Universities

The Commission has available a fund for grants to capable groups who propose valid and pertinent research programs in broadcast or cable communications with some emphasis on sociological analyses.

Expenditure \$ 75,000

TOTAL \$ 75,000

CANADIAN TRANSPORT COMMISSION

PROGRAM Canadian Transport Commission

ACTIVITY Research and Analysis

The educational component since 1973 has been confined to a program of support services promoting a national, comprehensive and integrated course of training in traffic and transportation. This program is carried out in conjunction with the Canadian Institute of Traffic and Transportation which provides facilities for the exchange of information and advises members and others regarding rules, regulations, practices and procedures, related to the movement of goods and persons.

Grants to Post-Secondary Non-University Institutions

Expenditure	\$	10,000
TOTAL	\$	10,000

CONTACT Office of the Vice-President (Research)
Canadian Transport Commission
Congill Building
275 Slater Street
Ottawa K1A 0N9

Telephone 996-4961

CENTRAL MORTGAGE & HOUSING CORPORATION

PROGRAM Central Mortgage and Housing Program
ACTIVITY Housing Research and Community Planning
SUB-ACTIVITY Fellowship Program

This scheme is designed to attract students into studies in the urban and regional affairs fields and to produce competent, well-trained individuals who would work in this area in Canada.

Fellowships to Master's and Doctoral Students

The awards are limited to persons undertaking full-time graduate work and who have been recommended by the university; the applicant has to be seeking either a Master's degree, a Doctorate or an equivalent qualification, and, be a Canadian citizen or a landed immigrant for at least eighteen months.

Awards are made on the basis of individual merit. There is no specific division of the scholarships between doctoral and master's work, or among universities and geographic regions. A fellow cannot hold any other federal award concurrent with the CMHC Fellowship.

Expenditure	\$	924,900
Number	215	
Specialization		
Agriculture &		
Biological Sciences;		
Engineering & Applied		
Sciences; Mathematics,		
Physical Sciences, etc.;		
Social Sciences & Related		

CENTRAL MORTGAGE & HOUSING CORPORATION

SUB-ACTIVITY Research Grants

The research program, established in 1947, was designed to investigate housing conditions; in 1966 the program was expanded into the broader area of urban and regional affairs.

Research Grants to Faculty

In order to qualify for grants the research proposals must be related to urban and regional affairs and must be shaped to serve CMHC objectives.

Expenditure	\$	431,400
Number	20	
Specialization		
	Social Sciences &	
	Related	

ACTIVITY Public Housing Projects and Land Development

The educational component of the above activity, established in 1971, is designed to make loans which will assist in the construction, acquisition or improvement of student housing projects. Such loans may be made to municipal, institutional, charitable or cooperative borrowers with provincial concurrence.

A loan is not made unless the government of the province concerned has approved the making of the loan.

Direct Federal Loans to Institutions (all levels)

These loans may be up to 90% of the cost of the project at rates established by Governor-in-Council from time to time (8%) and for terms up to 50 years.

CENTRAL MORTGAGE AND HOUSING CORPORATION

Expenditure* \$ 3,800,000

TOTAL \$ 5,156,300

*NOTE: This money will eventually revert to the federal treasury.

CONTACT

Telephone 746-4611

COMMUNICATIONS

PROGRAM	Communications Contract Program
ACTIVITY	Communications and Space Application Research
SUB-ACTIVITY	Communications Research Contract

A system of research contracts, established in 1971, is designed to achieve specific objectives in support of the mission of the department.

Standards and conditions for contracts are established in conjunction with the Association of Universities and Colleges in Canada (AUCC) and the Canadian Association of University Research Administrators.

Research Contracts with Universities

Proposals must respond to the objectives and priorities of the Department. Application details can be obtained from the departmental brochure, "Information Guide to Department of Communications Research Contracts with Universities".

Expenditure	\$	567,900
TOTAL	\$	567,900

CONTACT	Information Services Communications Department Berger Building 100 Metcalfe Street Ottawa K1A 0C8	Telephone 995-8079
---------	---	--------------------

CONSUMER & CORPORATE AFFAIRS

PROGRAM Consumer Affairs

ACTIVITY Research

Research Grants to Universities

In 1972-73 one research grant was given to a university. The project for which the grant was made was conducted by faculty members in a field related to the objectives of the program.

Expenditure	\$	2,000
-------------	----	-------

TOTAL	\$	2,000
-------	----	-------

CONTACT Information Division
 Consumer and Corporate Affairs
 Place du Portage
 Hull, Quebec Telephone 997-2938

DEFENCE RESEARCH BOARD

PROGRAM Defence Research

The above program established in 1947 is designed to support research in areas of interest to defence science.

ACTIVITY Laboratory Applied Research

Research Contracts with Universities

Research projects are discussed and negotiated with involved institutions and individuals.

In order to compete for the contracts, universities must possess the required competence, agree to the negotiated conditions, and, fulfill the contract.

Expenditure \$ 244,000

ACTIVITY Stimulation and Support of Defence Research

Research Grants to Faculty

Research grants provided by the Department of National Defence/Defence Research Board pertained to basic research of interest to defence science.

Scientific quality and defence applicability are two of the criteria utilized in provision of grants.

Expenditure \$ 3,000,000
Number 450
Specialization
Engineering & Applied
Sciences; Health
Specializations;
Mathematics, Physical
Sciences, etc.

TOTAL \$ 3,244,000

CONTACT Defence Research Board
 101 Colonel By Drive
 Ottawa K1A 0K2

Telephone 992-0932

ELDORADO NUCLEAR LIMITED

PROGRAM Eldorado Nuclear Limited

ACTIVITY Loans to Eldorado Nuclear Limited

The educational component of the activity, established in 1960, was designed to stimulate interest in advanced education by granting scholarships to deserving high school graduates and bursaries to other worthy candidates.

Scholarships to Undergraduate Students

High School Graduate Scholarships are awarded on basis of information requested from the school system with reference to the quality of work and general attitude of applicants.

Expenditure	\$	1,300
Number	4	
Specialization		
Health; Engineering & Related; Health Specializations; Mathematics, Physical Sciences; etc.		

Bursaries to Non-University Students

Technical school bursaries are granted upon the recommendation of the principal plus satisfactory academic standing.

Expenditure	\$	1,500
Number	13	
TOTAL	\$	2,800

CONTACT Eldorado Nuclear Limited
Head Office
151 Slater Street
Suite 800
Ottawa K1P 5H3

Telephone 237-4340

ENERGY, MINES & RESOURCES

PROGRAMS Mineral and Energy Resources
 Earth Sciences
 Mines and Metallurgical Investigation and Research
 Research in Geophysics

The educational component's objective is to support research projects taking place outside the department and related to the department's objectives.

Research Grants to Faculty

Every organization without direct relation to the federal government conducting research into the natural sciences, physical or social sciences and/or engineering can apply for a grant in the name of individual researchers of the organization (i.e. university).

Expenditure	\$	865,000
Number 111		
Specialization		
Engineering & Applied Sciences		
Mathematics, Physical		
Sciences, etc.; Other		
TOTAL	\$	865,000

CONTACT Energy, Mines & Resources
588 Booth Street
Ottawa K1A 0E4 Telephone 994-9307

ENVIRONMENT

PROGRAM

Administration

ACTIVITY

Policy Planning and Research

The activity, established in 1971, with the formation of the Department of the Environment, provides support in the field of education if and when necessary for the achievement of program objectives.

Research Contracts with Universities

When the activity decides to provide a research contract in a specific area, consultation to find the appropriate institution occurs. The contract then is awarded to the institution best able to conduct the project. Consultation and collaboration between Environment and other federal departments occurs when a project overlaps an area of responsibility of an other department.

Expenditure	\$	48,800
-------------	----	--------

PROGRAM

Environmental Quality

ACTIVITY

Atmosphere Environment

SUB-ACTIVITY

Meteorologist Training

This scheme, established in 1973, was designed to accelerate the training of Francophone meteorologists.

Contract with University

The contract between the University of Quebec, Montreal and the Department of the Environment was to make provisions for conducting a course in meteorology in the French language. Consultation occurred in areas of: part-time instructors, course content, and, technical teaching aids.

Expenditure	\$	68,500
-------------	----	--------

ENVIRONMENT

SUB-ACTIVITY Atmospheric Research

The Atmospheric Research scheme, established prior to 1962, is designed to encourage the growth of atmospheric sciences in Canada, and, to increase the supply of personnel trained in the atmospheric sciences.

Research Grants to Universities

Conditions under which grants are awarded follow the granting pattern established by the National Research Council. An advisory committee, composed of representatives from Environment, Defence Research Board, the National Research Council and from the universities, evaluates the research applications.

Expenditure	\$	250,000
-------------	----	---------

Research Contracts with Universities
(Same as research contracts page 43)

Expenditure	\$	180,300
-------------	----	---------

Research Contracts with Student
(Same as research contracts page 43)

Expenditure	\$	1,500
-------------	----	-------

ACTIVITY Water Management

The Water Management activity, established in 1967, was designed to provide for an expansion of water resources research in both the natural and social sciences; to develop knowledge and expertise on water resources problems; and, to provide opportunities for graduate students to undertake work in the water resources field with a view to increasing the numbers of trained personnel available for employment by government and industry.

ENVIRONMENT

Since 1972, a slight change in activity objectives has been introduced. A more mission-oriented thrust was emphasized with priority being given to proposals which contributed to the aims and objectives of the departmental mission in water. This, in turn, has resulted in the introduction of the research agreement concepts: selection criteria are based on relevance, and, effective liaison between researchers and directorate scientists assumes major importance.

Collaboration does take place with other federal departments and agencies. For example, research related to modern agricultural practices and their effects on water quality involves liaison and collaboration with Agriculture Canada; urban development and the hydrological implications involves collaboration with the Ministry of State for Urban Affairs. Activity objectives also are annually discussed with provincial and university officials.

Research Grants to Universities

In order to qualify for support, universities must be willing to undertake integrated multi- or inter-disciplinary research programs involving natural science, engineering and socio-economic studies relevant to complex water management problems. The institution must be willing to develop independent sustaining support. Individuals involved must be staff members of recognized Canadian universities.

Expenditure	\$	950,000
-------------	----	---------

ENVIRONMENT

Research Grants to Faculty
(Conditions similar to the above)

Expenditure	\$	463,700
Number 88		
Specialization		
Agriculture &		
Biological Sciences;		
Engineering & Applied		
Sciences; Mathematics,		
Physical Sciences, etc.;		
Social Sciences & Related		

PROGRAM Renewable Resources

ACTIVITY Forestry Research and Services

The educational component of the Forestry Research and Services activity, established in 1943, is designed to assist in the development of professionals in disciplines related to forestry research.

Grants to Institutions

Grants are provided for the operation of Forestry schools.

Expenditure	\$	262,000
Universities	\$192,000	
Post-Secondary		
Non-University	\$ 70,000	

Research Contracts with Faculty

Terms and conditions are specified in each individual contract.

Expenditure	\$	96,400
Number 15		
Specialization		
Agricultural &		
Biological Sciences		

ENVIRONMENT

ACTIVITY Canadian Wildlife Service

The educational component of the Canadian Wildlife Service, established in 1955, is designed to support research in vertebrate ecology.

Research Contracts with Universities

Terms and conditions are specified in each individual contract.

Expenditure \$ 152,000

Scholarships to Undergraduates

A system of scholarships, commenced in 1968, is designed to encourage superior students to enter the Wildlife field.

Collaboration with Parks Canada (Indian and Northern Affairs) occurs to ensure compatibility. Each scholarship application is supported by an assessment of the applicant by the university.

Expenditure \$ 10,000
Number 9
Specialization
Agriculture &
Biological Sciences

TOTAL \$ 2,483,200

EXTERNAL AFFAIRS

PROGRAM	International Affairs
ACTIVITY	Headquarters Operations
SUB-ACTIVITY	Academic Relations

The Academic Relations section, established in 1967, is designed to retain the services of academics to prepare research papers, conduct surveys, and/or set up conferences and seminars on subjects of particular interest to the department. Objectives include improving communication and dialogue with post-secondary institutions with respect to Canadian foreign policy and international affairs.

Grant to University

A capital grant was awarded to the University of British Columbia to construct a centre for East Asian studies.

Expenditure	\$ 400,000
-------------	------------

Research Contracts with Universities

Expenditure	\$ 8,400
-------------	----------

Research Contracts with Faculty

Expenditure	\$ 6,500
Number 3	
Specialization	
Social Sciences	
& Related	/

TOTAL	\$ 414,900
-------	------------

CONTACT	Academic Relations Division External Affairs Department Lester B. Pearson Building 125 Sussex Drive Ottawa K1A 0G2	Telephone 996-4551
---------	--	--------------------

FINANCE

PROGRAM Guaranteed Loans

SUB-ACTIVITY Canada Student Loans Plan Act

The Canada Student Loans Plan Act, established in 1964, is designed to make financial help available to students who require assistance to carry on full-time studies at the post-secondary level.

In carrying out the terms and the conditions of the CSLP collaboration and cooperation occurs at all levels. At the federal government level, the Departments of Secretary of State and Finance study and elaborate policy.

The provincial governments are responsible for determination of the eligibility of individual students: their need for a loan, the provincial residence status in connection with the issue of Certificates of Eligibility to qualifying students, and, the designation of educational institutions.

The chartered banks and other lenders, designated for purposes of the Plan, cooperate in the provision of financing and administration of the Canada Student Loans Plan.

Loan Guarantees to Chartered Banks and other lenders (for post-secondary student support)

The Canada Student Loans Act provides for payments by the government to a lender in connection with a loan made pursuant to the Act and to Regulations. The payments cover interest at the rate prescribed by Regulations (6½% per annum for the year under review) while the loans are interest free to borrowers (i.e., the period the student is engaged in full-time study and for six months thereafter); the full amount of any

loss sustained as a result of default by the borrower on such a loan; in the event of the death of the borrower, the full amount of principal plus interest owing at the time of death; a collection fee if a lender or other agency has collected for the Government a loan on which a loss claim had been paid and alternative payment to non-participating provinces.

A participating province may authorize loans during any loan year in an aggregate amount up to a maximum of its allocation of the total loan provision contained in the Act. This loan provision is allocated among the provinces in the same relationship which the 18-24 year age group in a province bears to the same age group population for Canada as a whole. For the year under discussion, 1972-73, the loan provision was \$125,350,000. In addition, the Act provided for a supplementary loan provision equal to 30% or \$37.61 million of the basic loan provision. This supplementary loan provision is not tied to provincial population data and may be allocated on a discretionary basis by the Minister of Finance, upon the application by a province, to supplement that province's basic allocation. For the year under review \$18.77 million of the supplementary provision was allocated. The discretionary loan provision was included in the legislation in recognition of the fact that, in practice, there are differences in the relative levels of loan demand from province to province due to differences in regional income patterns, student population and other factors. Quebec does not participate in the plan and receives an alternative payment.

FINANCE

Students may receive Certificates of Eligibility if they are Canadian citizens, or, are landed immigrants within the meaning of the Immigration Act and have been resident in Canada for a period of not less than one year; establish residence in a province which issues Certificates of Eligibility; are qualified for enrolment or are enrolled at a specified educational institution as a full-time student in a course of studies at a post-secondary school level lasting for not less than 26 continuous weeks (although loans may be authorized for one semester of 13 weeks, if that semester constitutes a component of a programme of studies of at least 26 weeks duration); have established to the satisfaction of the appropriate provincial authority empowered to issue Certificates of Eligibility that a loan is needed to enable them to pursue their course of study. There is no age limit for borrowing under the Plan. Six months after study completion the borrower becomes responsible for interest and principal repayment which can be spread over $9\frac{1}{2}$ years.

Expenditure	\$ 34,023,000
Interest	\$19,500,000
Claims	\$ 3,900,000
Alternative payments	\$10,623,000

PROGRAM Fiscal Transfer Payments Program

The Fiscal Transfers for Post-Secondary Education program, established in 1967, through Part II of the Federal-Provincial Fiscal Arrangements Act, 1967 is designed to assist the provinces in financing post-secondary education. The 1967 Act made provision for a province to receive for 1967-68 a fiscal transfer equal to the greater of \$15 per capita of provincial

population, or an amount equal to 50% of the eligible operating expenditures for post-secondary education in the province. For subsequent years, the provinces to which the 50% formula applied remained entitled to transfers on that basis, while the provinces initially on per capita basis (Newfoundland, Prince Edward Island, New Brunswick) were to receive a yearly increase in the transfer in line with the increase in eligible post-secondary operating expenditures in all provinces combined, until such year as the other formula would produce a higher entitlement.

In 1972, the Act was changed so that the total federal contribution would not increase more than 15 per cent per annum. The provisions of the Act were later extended until the end of the 1976-77 fiscal year.

The fiscal transfers to the provinces for post-secondary education have two components: a federal revenue reduction - "tax points" - with associated equalization and revenue guarantee payments; and post-secondary adjustment payments, designed to bring the total transfer to each province to the level of its entitlement. The first section - "tax points" - is administered by the Department of Finance; the second by the Department of the Secretary of State.

In 1972-73 the total amount paid under the Fiscal Arrangements Act was \$989,161,700; \$508,064,000 in tax points; \$481,097,700 was paid in adjustment payments. (This was total cash adjustment during the year for more than one year). Both the tax points and adjustment payments are still subject to revision.

Fiscal Transfers - Tax points to provinces

Expenditure	\$508,064,000
-------------	---------------

FINANCE

PROGRAM Financial and Economic Policies

ACTIVITY Administration

Research Contracts with Universities

Institutions can be given research contracts when there is a specific job for which in-house resources are not available. Experience, training and expertise required for job completion are basic qualifications.

Expenditure	\$ 28,100
-------------	-----------

ACTIVITY Operations

SUB-ACTIVITY Tuition Fee Deductions

A scheme of tuition fee deductions, established in a 1961 amendment to the Income Tax Act, is designed to allow students to deduct their tuition fees from their incomes. Under the regulations only the student can claim the deductions regardless of who paid the fees. Tuition fees can be deducted: if the student paid over \$25 in fees to a Canadian educational institution; if the student resided in Canada and commuted to and paid over \$25 tuition fees to an American post-secondary institution; or, if the student attended 13 consecutive weeks in a degree course at a university outside Canada.

The department of Finance makes the policies relating to the tuition fee deductions; Revenue Canada is responsible for administering the regulations.

Tuition Fee Deductions to Students

Revenue Foregone 1972	\$ 34,000,000
-----------------------	---------------

Education Deductions

In 1973 the Income Tax Act was amended to permit students' education cost deductions retroactive for the 1972 taxation year.

Education deduction is \$50 for each month a student is in full-time attendance at a designated educational institution.

Designated institutions include universities, colleges and other institutions offering job retraining or adult education courses in Canada.

The deduction may be claimed by the student and/or a supporting individual.

As in the case with tuition fee deductions Finance determines the policies; Revenue Canada administers the regulations.

Revenue Foregone 1972	\$ 50,000,000
-----------------------	---------------

TOTAL	\$626,115,100
-------	---------------

CONTACT

Department of Finance
Information Division
Place Bell Canada
Ottawa K1A 0G5

Telephone 992-1573

INDIAN & NORTHERN AFFAIRS

PROGRAM Indian and Eskimo Affairs

ACTIVITY Education

The original Indian Act, established in 1876, provided for the construction and maintenance of "school houses, council houses and other Indian public buildings".

The objectives have changed gradually because of the federal government's entry into treaties, various amendments of the Indian Act, and other legislation. The objective now is to provide educational facilities and services which will advance the cultural aspirations of the Indian people and assist them in achieving equality of opportunity and self-fulfillment in relation to other Canadians.

In carrying out the objective of the Education activity, consultation and cooperation takes place between the Department and other bodies. At the federal government level major contacts are with National Health and Welfare, Secretary of State, and Manpower and Immigration. Policies and programs with regard to allowances, cultural matters and training programs are coordinated.

Contacts with provincial governments are for the purpose of negotiating general tuition agreements, training programs, etc. Contacts also are maintained with national and provincial Indian associations, local school boards, universities and other post-secondary institutions, and individuals regarding the provision of appropriate services or programs. Indian Bands, school committees and other groups are consulted concerning the provision of education services.

The education activity has several components or sub-activities. These educational components of each sub-activity are identified and briefly described.

SUB-ACTIVITY General Administration

The educational components of the general administration sub-activity are to provide for the engaging and training of staff, to conduct education studies and research, to arrange for the acquisition and transfer of property, and for the equipping and maintenance of schools and teacherages, to provide office facilities, audio-visual aids, and to administer the student scholarships program.

With respect to the above, cooperation and coordination occurs with the federal departments of Public Works, the Public Service Commission and with the Indian Bands.

Grants to Provincial Governments

Grants are provided to provincial governments for the in-service training of department employees at the post-secondary university and non-university levels. Arrangements for training are made with provincial in-service training programs; the budgets for training are managed by regional offices and are allocated in accordance with the needs of district superintendents.

Expenditure	\$ 325,000
-------------	------------

Research Grants to Universities

In order to qualify for research support the projects must pertain to Indian Education and must have the understanding and concurrence of, and be sponsored by an Indian band or organization involved in the project.

Expenditure	\$ 69,400
-------------	-----------

INDIAN & NORTHERN AFFAIRS

Scholarships to Post-Secondary Students

Scholarships are awarded to outstanding students in nursing, teachers training, technical, agricultural and university courses in art, music and drama. The amounts awarded vary from \$100 to \$300.

Expenditure	\$ 21,600
-------------	-----------

SUB-ACTIVITY Education in Federal Schools

This sub-activity was designed to provide educational services and facilities for Indian children who attend federal schools and to promote the participation of parents of Indian children in school affairs. In 1960-61 these objectives changed slightly to extend federal education services to certain categories of non-Indians living on reserves or in Indian communities.

Fulfilling these objectives involves the cooperation/consultation of Indian bands, school committees and parents. Teachers recruited for service in federal schools must meet provincial qualifications.

Grants for Elementary and Secondary Schools operated by the department

Federal schools are operated in areas where Indian parents do not use the provincial educational services.

Expenditure	\$ 34,518,000
-------------	---------------

Grants to School Committees for Elementary and Secondary Schools

These grants are awarded to school committees for their operation and administration.

Expenditure	\$ 395,000
-------------	------------

SUB-ACTIVITY Student Residences

Student residences are designed to provide living accommodation for Indian students attending schools outside their home communities; contracts exist between the department and the Anglican and the Roman Catholic Churches for liaison duties. In 1972-73, 41 residences were operated by the department.

Grants for Student Residences operated by the department

Expenditure	\$ 15,945,000
-------------	---------------

SUB-ACTIVITY Education in Non-Federal Schools

The above activity, established in 1958, is designed to provide, as requested by Indian parents, for the education of their children through entering into agreements with provincial, territorial, municipal and parochial school systems, and, to provide guidance services to all Indian students registered in an elementary or secondary school program.

General education agreements have been negotiated between the federal government and some provincial governments. In addition, there are over five hundred joint agreements between the federal government and individual school boards in Canada.

Grants to Provincial and Municipal Governments for Elementary and Secondary Schools

The grants are made to provincial departments and municipal governments to provide for the education of Indian children in provincial schools.

Expenditure	\$ 33,019,000
-------------	---------------

INDIAN & NORTHERN AFFAIRS

SUB-ACTIVITY Adult Education

The above activity, established in 1957, is designed to provide adult basic education programs to eradicate illiteracy, raise the academic level of potentially employable Indians, and, to prepare adult Indians for active involvement in community affairs through the provision of social education programs.

Cooperation exists between the department, Regional Economic Expansion and Manpower and Immigration. A formal educational agreement also exists between Indian and Northern Affairs and the Saskatchewan Department of Education. Other agreements for cooperation/coordination of adult education activities exist between the department and the province of Manitoba, the Saskatchewan Highway Traffic Board, the Alberta Department of Agriculture, the University of Saskatchewan, and, the Alberta Human Resources Development Authority.

Grants to Educational Institutions for all levels

Adult education services are adapted to the needs of the community. The programs are implemented on the reserves or through an arrangement with established educational agencies. No direct payments go to provinces: the funds go to the institutions, or to the Indian Bands for operating the courses themselves.

Expenditure	\$ 3,162,000
-------------	--------------

Grants to Public Libraries

When the need is identified per capita operating grants, as well as capital grants, are given for renovations and equipment for libraries on reserves.

Expenditure	\$ 162,000
-------------	------------

SUB-ACTIVITY Vocational Training

The vocational training sub-activity, established in 1956, is designed to provide the opportunity for Indians to obtain vocational skills and higher education enabling them to compete for employment in government and industry on an equal basis with other Canadians.

The nature and the extent of cooperation/coordination with other institutions is as follows: all applicants for vocational and special training first register with a Canada Manpower Centre for sponsorship; there is an informal agreement with the province of Manitoba for counselling, and formal and special vocational training assistance; there is a master agreement with the Province of British Columbia for educational services and facilities; and, there is a letter of agreement with the City of Calgary for the provision of counselling services.

Grants to Vocational Institutions

Grants are awarded for capital expenditures for vocational training programs and maintenance of pupils programs.

Expenditure	\$ 103,000
-------------	------------

Bursaries/Scholarships to Post-Secondary, University and Non-University Students

University and professional training programs are administered and approved at the district level. Wherever feasible, scholarships and bursaries are recommended to the regional office and, in turn, to departmental headquarters. In addition a training allowance, equivalent to that paid by the Occupational Training for Adults Program administered by the Department of Manpower and Immigration, is paid.

Expenditure	\$ 1,857,000
-------------	--------------

INDIAN & NORTHERN AFFAIRS

Allowances to Post-Secondary University and Non-University Students

This assistance includes payment of tuition fees, books and supplies, and transportation to and from the course. Where the course is in excess of four months, assistance is provided for the family to accompany the trainee.

Expenditure	\$ 4,243,000
-------------	--------------

SUB-ACTIVITY Transportation and Maintenance of Pupils

The above activity, established in 1951, is designed to provide living accommodation in boarding homes, transportation to and from school, and other education support services for Indian children who cannot attend school in their home communities.

In 1958 the department was authorized to enter into agreements or contracts for the provision of education services and facilities by non-governmental agencies.

Cooperation and coordination exists between the department and Indian parents, who may request funds for transportation, away-from-home maintenance and other allowances for their children.

Negotiations also take place with the Chief, the Council Bands and contracting agencies.

Allowances to Students at all levels

An education allowance may be provided to cover the students' miscellaneous and personal supplies in cases where the parents can provide only a partial allowance or none at all.

Expenditure	\$ 1,880,000
-------------	--------------

INDIAN & NORTHERN AFFAIRS

Books and Supplies

Books and supplies provided include authorized texts, reference books and supplies such as pens, pencils, paints, home economics and shop fees, and gym uniforms.

Expenditure	\$ 66,000
-------------	-----------

Mid-day Lunch Contracts with Agencies

Mid-day lunches are provided to supplement the diet of Indian children attending school. When feasible, Indian communities are encouraged to organize and administer the program either on a voluntary or business basis.

Expenditure	\$ 693,000
-------------	------------

Room and Board Contracts with Agencies

Boarding home requirements are determined jointly by Indian parents, departmental staff and the school committee.

Expenditure	\$ 4,237,000
-------------	--------------

Transportation Contracts with Agencies

Funds cover transportation costs for the boarding students: these include return plane, train or bus fare from the student's home to school. Also included may be daily fares between the student's boarding home and school, and transportation for school sponsored extracurricular activities.

Expenditure	\$ 7,437,000
-------------	--------------

INDIAN & NORTHERN AFFAIRS

ACTIVITY Cultural Development

SUB-ACTIVITY Education

The above sub-activity, established in 1968, is designed to promote the preservation, growth and expression of Indian cultures, and to facilitate the entry of Indian creative and performing artists into the North American cultural world.

At the federal level consultation between departments occurs when there are related responsibilities i.e. with the Department of External Affairs, Cultural Affairs division and the Secretary of State, Arts & Culture Support Branch.

Grants are made with the advice of a committee of technical members, including a university expert and the Indian Bands.

Consultative Services to Universities

Consultative services from the department are provided to universities and colleges that wish to establish Indian Institutes and that wish to encourage more Indian students to attend universities. The department also provides names of prominent Indian leaders who could serve in an advisory capacity.

Expenditure \$ 441,000

PROGRAM Parks Canada

ACTIVITY Administration

The educational component of this activity is designed to provide education to employees' children living in the national parks. Another component provides for fellowships.

INDIAN & NORTHERN AFFAIRS

Grants to Municipal Governments for
Elementary and Secondary Education*

Expenditure	\$	55,000
-------------	----	--------

Fellowships to University Students

Fellowships are awarded for historical research in the National Historic Parks system. The major portion of these fellowships are to be utilized for summer archeological surveys.

Expenditure	\$	32,000
Number	32	
Specialization		
Social Sciences &		
Related		

ACTIVITY Parks Canada

SUB-ACTIVITY Research Contracts

A scheme of research contracts, established in 1967, is designed to ensure that research necessary for meeting Parks Canada's objective is conducted. The objective being to preserve, develop and restore representative areas of the country in their natural states.

Research Contracts with Universities

Conditions vary with each contract.

Expenditure	\$	187,000
-------------	----	---------

*Paid by the Department of Finance in-lieu-of taxation

INDIAN & NORTHERN AFFAIRS

SUB-ACTIVITY Scholarship Program*

The Parks Canada Graduate Scholarship program, established in 1967, is designed to provide financial assistance for studies at the post-graduate level in Natural Parks, Outdoor Recreation, Historical Archeology and Restoration Architecture. There is coordination with other federal agencies to ensure against duplication of scholarships awarded.

Scholarships to Master's Students

In order to qualify for support the recipient must be a post-graduate student in park management, park planning, resource conservation, outdoor recreation, environmental studies, interpretation and extension, Canadian historical archeology or restoration architecture; the recipient must agree to work in management of the various parks after completion of the program of study.

Expenditure	\$	40,000
Number	10	
Specialization		
	Engineering & Applied Sciences	

PROGRAM Northern Affairs

ACTIVITY Territorial Affairs

SUB-ACTIVITY Social Research

The scheme of social research, established in 1962-1963, is designed to encourage the training of scientists with experience in northern research and a commitment to northern work, and to support scientific research related to the accomplishment of the national objectives for Northern Canada.

*In 1974 a Parks Canada Undergraduate Scholarship Program was introduced.

INDIAN & NORTHERN AFFAIRS

Research Grants to Universities

In order to qualify for research support the applicants must represent an official committee or institute for northern studies at a Canadian University, or a non-profit institute whose principal interest is in northern research.

Expenditure	\$	328,000
-------------	----	---------

SUB-ACTIVITY Arctic Land Use Research

The ALUR program established in 1969-1970 is designed to provide information and research support for the implementation of the Territorial Lands Act, the Northern Inland Waters Act, the Arctic Waters Pollution Prevention Act and Regulations pursuant thereto. An ALUR Advisory Committee consisting of a chairperson from the department, four representatives from the university community and four representatives from industry, determine the research to be conducted.

Research Contracts with Universities

Research proposals normally are solicited by the department from institutions believed to have the required expertise. The institutions, then submit proposals which are evaluated by the Advisory Committee.

Expenditure	\$	675,400
-------------	----	---------

SUB-ACTIVITY Social Development

While the federal government enters into financial agreements with the two territories, the educational portion is not identified separately.

INDIAN & NORTHERN AFFAIRS

The educational component of this activity was established in conjunction with a series of financial agreements between the federal government and the territorial governments. These agreements include: financial assistance in addition to national cost-sharing programs; administration of programs for northern residents either on behalf of the government of the Northwest Territories or as a result of residual federal responsibilities.

Grants for Elementary and Secondary Schools operated by the Department*

If there are no facilities for education in a certain area, the department operates its own school.

In 1972-73 the Churchill Vocational Centre at Fort Churchill, Manitoba was a school for Eskimos; the Duke of Edinburgh school at Fort Churchill, Manitoba provided junior grade education for dependents of federal government employees and senior grade instruction for all students in the community.

Expenditure	\$	343,000
-------------	----	---------

Grants to School Boards for Elementary and Secondary Education*

The department gives grants to school boards if they provide elementary and secondary education.

Expenditure	\$	288,000
-------------	----	---------

TOTAL	\$	110,521,800
-------	----	-------------

*These have been phased out since 1972-73

CONTACT	Indian & Northern Affairs Centennial Towers 400 Laurier Avenue West Ottawa K1A 0H4	Telephone 996-9231
---------	---	--------------------

INDUSTRY, TRADE AND COMMERCE

PROGRAM	Trade Industrial
ACTIVITY	Industry Development
SUB-ACTIVITY	Grants, Scholarships, Bursaries (University Grant Program)

This sub-activity, established in 1971-72, was designed to promote the establishment, growth and efficiency of manufacturing and processing industries in Canada. The objectives of this sub-activity are to provide the department with information on technological innovation which is needed to develop policies to promote the innovative performance of Canadian industry and to encourage continuing academic interest in the area of technological innovation and its management.

Research Grants to Faculty

This grant program is open to faculty members of Canadian universities and to individuals associated with non-profit organizations with expertise in the field of technological innovation. Although not limited to these individuals the majority of grants under this program have been awarded to faculty members of Canadian post-graduate business schools. The grant includes an annual honorarium not to exceed two months equivalent salary as well as any identified direct costs of the research. Overhead costs are not paid.

Expenditure	\$	199,400
Number 13		
Specialization		
Social Sciences		
& Related		

INDUSTRY, TRADE AND COMMERCE

ACTIVITY Product Design and Innovation

SUB-ACTIVITY Grants and Scholarships

The above, established in 1971-72, is aimed at promoting the growth and efficiency of the Canadian manufacturing industry through innovation and the application of sound industrial design practices. To this end, support is given in the form of scholarships and grants.

Scholarships to Graduate Students

Scholarships are available to students of design for advanced studies in design in Canada or abroad, and to mature designers or design educators for studies improving their qualifications as teachers of design.

Scholarships are normally renewable for periods up to three years.

Expenditure	\$	64,000
Number	24	

Grants to Institutions

Grants are available to universities, organizations and individuals for the establishment of degree granting courses in industrial design, design education research, design management courses, design seminars, workshops, etc.

Expenditure	\$	192,500
Number	23	

TOTAL	\$	455,900
-------	----	---------

CONTACT Industry, Trade and Commerce
 Office of Science and Technology
 Place de Ville
 112 Kent Street
 Ottawa K1A 0H5

Telephone 992-1264

JUSTICE

PROGRAM Justice
ACTIVITY Legal Services
SUB-ACTIVITY Administration of Justice in
 Federal Fields

Fellowships in Legislative Drafting, established in 1970-71, are designed to encourage lawyers to enter the field of legislative drafting of statutes, subordinate legislation and writing of legal instruments.

Fellowships to Students
(Holding Law degrees)

In order to be eligible for a fellowship, applicants must be residents of Canada, possess superior academic qualifications and hold a degree in law from a recognized Canadian law school or be a member of the bar. A total of four fellowships are available each year, tenable at the Faculty of Law, University of Ottawa.

Expenditure	\$	16,000
Number	4	
Specialization		
	Social Sciences &	
	Related (Law)	
TOTAL	\$	16,000

NOTE: In 1975-1976 other awards, the Duff-Rinfret Scholarships were instituted.

CONTACT Justice Department
 West Memorial Building
 344 Wellington Street
 Ottawa K1A 0H8 Telephone 992-5565

LABOUR

PROGRAM Labour Department Program

ACTIVITY Research and Development

The educational component, established in 1951-1952, initially was designed to provide financial stimulus for research on arbitration as a technique for dispute settlement in industrial relations. Since then the objective has been broadened to include research in other economic and social aspects of industrial relations and labour economics.

Collaboration with other bodies takes place through the University Research Committee. In addition to Department of Labour representatives, one member from Manpower and Immigration, along with six members from Canadian universities review award application forms.

Research Grants to Faculty

In order to apply for research grants, investigators must be Canadian citizens or demonstrate that they will be residing in Canada on a continuing basis. Evidence of ability to carry out research in the social sciences without close supervision also is required. Recommendation for a grant is made following agreement by the successful applicant that the project will be completed by a specified date. Each successful applicant must agree to accept no financial support from any other grant-awarding institution for the same project in the same fiscal year.

Expenditure	\$	31,100
Number	11	
Specialization		
Social Sciences &		
Related		

LABOUR

Research Grants to Doctoral Students

Conditions and criteria underlying the receipt of research grants are similar to those for faculty.

Expenditure	\$	8,900
Number 5		
Specialization		
Social Sciences &		
Related		
 TOTAL	\$	40,000

CONTACT Labour Department
 Research and Development Branch
 Sir Wilfrid Laurier Building
 340 Laurier Avenue
 Ottawa K1A 0J2 Telephone 997-1015

MANPOWER & IMMIGRATION

PROGRAM Strategic Planning and Research
ACTIVITY Training Research and Analysis
SUB-ACTIVITY Research Grants Program

The Research Grants Program, established in 1966, fosters research which contributes to the development and better understanding of manpower and immigration policies and programs in Canada. Applications are received from university faculty members, post-graduate students and other qualified researchers. The two main criteria governing the decision to recommend the awarding of a grant are the relevancy of the proposal to departmental objectives and its technical soundness.

Research Grants to Faculty

Expenditure	\$	37,700
Number	8	

SUB-ACTIVITY Manpower Training Research Program

The Manpower Training Research Program under Section 10 of the AOT Act of 1967 permits the Minister of Manpower and Immigration to enter into agreements with provinces whereby the Department is authorized to pay up to 50 per cent of the costs incurred by the provinces in undertaking research in respect of occupational training.

Research Grants to Provinces (3)

Expenditure	\$	29,100
-------------	----	--------

MANPOWER & IMMIGRATION

SUB-ACTIVITY Research Contracts with Universities

The institution must have the expertise available to achieve the project objectives within the required time limitations.

Expenditure	\$ 161,000
-------------	------------

PROGRAM Development & Utilization of
Manpower Program

ACTIVITY Employment and Training Services

In 1967, the Adult Occupational Training Act replaced the Technical & Vocational Training Assistance Act of 1961. The new Act provided the legislation necessary for Canada to participate in the training or retraining of adult members of the labour force to ensure an adequate supply of productive manpower to meet independently defined requirements of the economy so as to narrow the gap between actual and potential performance; and, to allow adult workers to fulfill career aspirations through acquiring better paid, more satisfying work. In recent years there has been considerable emphasis placed on helping people with special needs.

The AOT Act is implemented by means of Training Agreements negotiated with each Province and Territory for the provision of institutional training and by entering into contracts with employers for the training of their employees. At all stages from the initial planning to the graduation of a trainee there is close cooperation between federal and provincial personnel.

Each year the federal government makes funds available to the provinces for adult training. The amount of the funds allocated to each province depends on many factors such as the size of the labour force, unemployment - industrial expansion, technological changes,

critical manpower shortages and client availability. The Federal-Provincial Manpower Needs Committees coordinate the determination of the training needs and the allocation of resources to meet the needs. The type of course - its size, location and starting date are scheduled for each provincial institution which takes part in the program. Payments to provinces are made on a monthly basis in proportion to the volume of training undertaken that month.

For industrial training the priorities are established by the Manpower Needs Committees following which the Department of Manpower and Immigration enters into contracts with individual employers to assist in the upgrading of their employees. Each contract is accompanied by a training plan which must be approved by the province in which the training takes place. Provincial staff also helps monitor the training when it is underway. Such training may take place on the employers premises or in provincial training institutions. The contract with the employers provides for Canada to share in the cost of the training course and also in the wages paid employees during the training.

In addition to the above, funds are also made available to the provinces if they undertake training improvement projects which will lead to more effective and efficient training.

At the federal government level, consultation occurs with: Statistics Canada for data collection purposes; Regional Economic Expansion for avoidance of double subsidization and negotiations about job creation programs; Labour in the provision of competitive wage rates and working conditions; National Health and Welfare; Indian Affairs and Northern Development; National Defence and Solicitor General in the provision of training facilities and courses.

In addition, Canada has drawn from and contributed to the Organization for Economic Cooperation and Development pool of experience and recommendations with respect to Manpower Training. The present program had its origin in the OECD concept of an active manpower policy. Recurrent education concept promoted by OECD is now having an impact on Manpower and Immigration Training policy development.

Adults eligible for institutional training under the Adult Occupational Training Act must be one year over the school leaving age in their province of residence and have been out of school for at least twelve months. Prospective trainees are interviewed by Manpower Counsellors located at Canada Manpower Centres throughout the country. If training will help increase an adult's employment opportunity or earnings and if the person has the potential to complete a course which both he and the Counsellor feel is suitable, the trainee is referred to the appropriate institution. During the selection and referral process there is close cooperation with the training institutions.

Trainees referred to full-time courses are eligible for training allowances based on family circumstances including the number of dependents. Travel grants and commuting allowances are also made available to trainees.

Purchase of Training Services from the Provinces (excluding industry)

Expenditure	\$171,942,000
 Allowances to Students	
Expenditure	\$146,000,000
Number 272,913	

MANPOWER & IMMIGRATION

PROGRAM Immigration Program
ACTIVITY Recruitment and Selection

The educational component of this activity was initiated in 1972-1973 as a special project providing the Ugandan and Tibetan refugees with language skills required for existence in Canadian society.

Purchase of Training Services from the Provinces for Non-University Training

Expenditure \$ 230,000

Allowances to Students

Expenditure \$ 103,500

TOTAL \$318,503,300

CONTACT Manpower & Immigration
 E.A. Bourque Memorial Bldg.
 305 Rideau Street
 Ottawa K1A 0J9 Telephone 992-1963

MEDICAL RESEARCH COUNCIL

PROGRAM Medical Research Council

ACTIVITY Grants and Awards

The first grants were made by the predecessor of the Medical Research Council, the National Research Council Associate Committee for Medical Research, in 1939. In 1960 the Medical Research Council became an autonomous granting body, but still a part of NRC. In 1968 the Medical Research Council became a separate Crown Corporation.

Its main objective is to assist in the attainment of the quality and scale of research in the health sciences essential to the maintenance and improvement of health services. To this end, it has a number of programs designed to promote and assist basic, applied and clinical research (except public health research) in Canada, and to provide training for research in the health sciences.

An extensive system of review committees involving over 150 individual scientists assists the Council in evaluating the applications submitted to it.

Formal mechanisms exist for consultation and collaboration on matters of mutual interest with the National Research Council, the Canada Council, the Ministry of State for Science and Technology and the Department of National Health and Welfare. There is also day to day consultation with officers of many departments and agencies.

Research Grants to Faculty

Grants are awarded following intensive peer assessment and approval by the Council to assist in defraying the cost of research carried out in the

MEDICAL RESEARCH COUNCIL

health sciences complexes of Canadian universities and their affiliated institutions, and in other faculties or institutions when the proposed research is highly relevant to health.

Expenditure	\$ 27,337,700
Number	1,413
Specialization	
	Health Specializations

Associateships to Faculty

Associateships are intended to facilitate the development of research in the health sciences in Canadian universities. They provide salary support for highly qualified independent investigators who plan to devote virtually their full-time to research. The initial appointment is for three years and on satisfactory review may be renewed for subsequent terms of five years.

Expenditure	\$ 1,951,000
Number	75
Specialization	
	Health Specializations

Scholarships to Faculty & Related

Scholarships provide salary support for a period not exceeding five years to a limited number of young health science investigators who show particular promise as independent researchers.

Expenditure	\$ 2,351,400
Number	140
Specialization	
	Health Specializations

Research Fellowships to Faculty & Related

Fellowships are offered in competition to highly qualified candidates with an M.D., D.D.S., D.V.M. or Ph.D. degree, who wish to take full-time research

MEDICAL RESEARCH COUNCIL

training in the health sciences. Awards are tenable for 12 months, and may, under certain conditions, be renewed (Value per annum: \$11,000-19,000).

Expenditure	\$ 3,620,900
Number	308
Specialization	
Health Specializations	

Studentships to Master's and Doctoral Students

Studentships are provided in competition to highly qualified graduates with a B.Sc. degree who are undertaking full-time training in research leading to an M.Sc. or Ph.D. degree under the supervision of members of departments of schools of medicine, dentistry or pharmacy and under certain circumstances schools of nursing or physical education. Awards are tenable for 12 months and may be renewed a maximum of three times. (Value per annum: \$5,000.)

Expenditure	\$ 918,800
Number	221
Specialization	
Health Specializations	

TOTAL	\$ 36,179,800
-------	---------------

CONTACT

Medical Research Council
General Purpose Building
Tunney's Pasture
Ottawa K1A 0W9

996-8170

NATIONAL DEFENCE

PROGRAM Administration
ACTIVITY Administrative Services
SUB-ACTIVITY Education of Dependent Children

The present program of provision of schools for dependents of armed force personnel was established in 1946. Prior to that time, military bases did not accommodate any married people. Rationale underlying the education of dependent children differs somewhat whether in Canada or outside. In Canada Crown Lands are not taxable: as a result, the Department of National Defence recognizes its obligations, as a landlord, to provide for education of dependent children.

Overseas, the department recognizes its obligation to provide adequate educational facilities in accordance with Canadian standards to dependent children at Canadian Defence establishments. At the federal level, there is some consultation with Finance which contributes annually to the municipality in which a defence establishment is located, a sum of money in lieu of taxes.

With respect to provincial coordination, it is noted that the DND schools are established under the applicable provincial regulations and follow the curriculum of the province in which the defence establishment is located.

Furthermore, where possible, the DND Dependents School Board or Official Trustee is recognized under provincial legislation as the authority responsible for providing educational facilities of provincial standards. A special agreement exists with British Columbia: elementary and secondary facilities are provided to dependent children residing on the Crown Lands under an agreement whereby the province assumes responsibility for the administration, operation and control of DND Dependents

schools or for ensuring that the required facilities are made available at local municipal schools. Occasionally, DND also negotiates with the responsible municipal school board to accommodate children residing at the defence establishments.

Operating costs for DND Dependents Schools in Canada and in Europe for elementary and secondary education

Where no other method of providing school facilities is available, a DND Dependents school is built at the defence establishment. DND bears the full cost of construction, salaries, textbooks, supplies, furnishings and equipment.

Expenditure	\$ 23,762,000
-------------	---------------

Grants to Municipal Governments

Capital assistance grants or contributions are made to a municipal school board when additional school accommodation is required to provide elementary and secondary educational facilities to dependent children residing at a defence establishment located in the municipality.

Expenditure	\$ 313,000
-------------	------------

Fees to provincial and municipal Governments for elementary and secondary education

Tuition fees are paid to school boards or the provincial government as the case in BC on behalf of dependent children residing at defence establishments in attendance at local schools. In many cases these arrangements are covered by individual agreements with school boards. In BC the agreement covers all DND locations in the province.

Expenditure	\$ 7,803,000
-------------	--------------

NATIONAL DEFENCE

Allowances to Parents of Dependent Children for elementary and secondary education

In Canada DND authorizes the payment of an allowance on behalf of dependent children residing at or in the vicinity of a defence establishment when educational facilities providing instruction in one or other of the official languages consistent with the language of the home are not available.

Where adequate educational facilities are not available outside Canada DND authorizes the payment of allowances on behalf of dependent children attending an appropriate school.

Expenditure	\$	667,000
-------------	----	---------

Provincial Grants to DND Dependents Schools for elementary and secondary education

Grants are received from certain provincial governments towards the cost of operating DND Dependents Schools or the cost of tuition fees paid to municipal school boards.

Reimbursement	\$	7,533,000
---------------	----	-----------

PROGRAM Canadian Armed Forces Program

ACTIVITY Military Support Services

The educational component objectives of this activity are to assist in the university education of recruits and/or current personnel for the officer category. There are 3 major components of the above: the operation of Military Colleges providing university/military training to selected recruits; financial assistance for the above recruits along with other selected individuals attending non-military Canadian universities; and, the sponsorship of Chairs and awards for military and strategic studies at certain Canadian universities.

NATIONAL DEFENCE

There is frequent consultation with provincial departments of education on matters relating to DND education programs being conducted in the province. In addition, the degree granting charter of Royal Military College (Kingston) was awarded by the Ontario government. Extensive collaboration also occurs with the universities, colleges and school boards with respect to the use of their facilities by DND personnel.

Grants for DND Universities

Expenditure (Operating) \$ 19,224,000

Allowances to University Students

These allowances are paid to individuals who meet the special requirements of one of the military programs. The allowance includes living expenses, tuition fees and book grants. Individuals receiving these allowances must be serving members or accept to serve in the Armed Forces after graduation. For the most part, individuals receiving allowances also attend the military colleges.

The nature and scope of the programs sponsored by the department are identified below. Although some of the programs are especially for individuals already in the armed forces, they have been included in this section of the report. Furthermore, the costs are estimates rather than actual expenditures. This is a function of the accounting procedures of the DND.

Regular Officer Training Plan

The ROTP, established in 1952, is designed to help fill the officer requirements for degree-qualified career personnel of the three services.

NATIONAL DEFENCE

The student, male or female, must maintain good academic and military standing. Members of the ROTP are obligated to serve in the Canadian Forces for four or five years after graduation.

Expenditure	\$ 6,639,400
Number 1,651	

Dental Officer Training Plan

The DOTP, established in 1967, is designed to provide subsidized training for undergraduates in Canadian dental schools. In order to qualify for support, the individual must be an undergraduate of a Canadian dental school, and, must enrol in the Canadian Forces for service as a Dental Officer for a minimum of five years after obtaining the licence to practice.

Expenditure	\$ 478,300
Number 85	

Medical Officer Training Plan

The plan, established in 1952, was a 21-month medical subsidization plan for a student in penultimate and final years of medical school. In 1959, this plan gave way to a 45-month plan. The period of obligation to serve was reduced from five to three years. In order to qualify for support, the individual must be an undergraduate of a Canadian Medical school, and, must enrol in the Canadian Forces for service as a Medical Officer for three years from the date the licence to practice is obtained.

Expenditure	\$ 887,200
Number 131	

NATIONAL DEFENCE

University Training Plan

Established in 1951, the UTP is a DND sponsored university scheme, for serving Canadian Forces men and women, to encourage and provide university trained officers. The UTP graduates are obligated to serve for a minimum of five years as an officer in the forces.

Expenditure	\$ 1,875,500
Number 190	

University Training Plan - Officers

Established in 1966, the UTP-O is designed to assist in raising the academic level of the officer corps. Selected serving officers who have shown the ability and initiative to have upgraded themselves to within two years of Baccalaureate level may qualify for the allowance.

Expenditure	\$ 1,177,500
Number 74	

Military Medical Training Plan

The Plan, established in 1966, is designed to augment the direct entry intake flow of Canadian Forces medical officers. It is for serving male and female officers of the Canadian Armed Forces who obtain the necessary qualifications for acceptance to any Canadian university medical school. The candidate's obligation to serve in the Forces after graduation is two years of service for every year of subsidization.

Expenditure	\$ 297,500
Number 20	

NATIONAL DEFENCE

Post-Graduate Training-Military

This plan is an integral part of the Canadian Armed Forces' educational and training programs. The objective of post-graduate training is to provide the forces with the required expertise to perform specific tasks, as identified by job analysis, and to provide a general broadening of intellectual scope. Costs are calculated for tuition, books and equipment.

Expenditure	\$	128,000
Number 109		

Professorships

The professorships of military and strategic studies programme was established in 1967 with an associated programme of fellowships and scholarships to provide students with the opportunity to pursue graduate work in fields of interest to Canadian defence: national and international aspects of security, studies of strategic theory, alliances and United Nations, and civil military relations. The programme was devised and developed with the aid of the Association of Universities and Colleges of Canada (AUCC) with basic aim of providing "opportunities for Canadian university students to study problems of national and international security in a Canadian context". The programme was to operate within \$250,000 annually with six universities subsidized at \$35,000 per year for three years. Two fellowships of approximately \$10,000 each and three scholarships of \$5,000 each were authorized to be awarded annually to Canadian citizens and tenable anywhere suitable work can be undertaken. The Defence Research Board was asked to carry out the general administration duties.

Grants to Universities

Expenditure	\$	225,000
-------------	----	---------

NATIONAL DEFENCE

Scholarships to Graduate Students

The annual value of a scholarship is \$4,000 plus academic fees. It is tenable for one year, renewable on evidence of satisfactory academic achievement. Scholarship winners may not hold concurrently any other award in excess of a total value of \$600 annually.

Expenditure	\$	16,300
Number	3	
Specialization		
Social Sciences &		
Related		

Fellowships to Post-Doctoral Students

The duration of a fellowship is one year. Requests for renewal may be considered by the selection committee. The annual value of a fellowship is \$6,000, academic fees, plus return economy air fare for Fellow and immediate family. A supplementary allowance of \$1,500 for married Fellows is allowed. A Fellow may not hold concurrently any other major award.

Expenditure	\$	20,100
Number	2	
Specialization		
Social Sciences &		
Related		

TOTAL \$ 55,980,800*

*(Minus Reimbursement \$7,533,000)

CONTACTS	National Defence Dependants Education Management National Defence Headquarters 101 Colonel By Drive Ottawa K1A 0K2	Telephone 992-0560
	National Defence Professional & Educational Development Kildare Annex Building 312 Laurier Avenue E. Ottawa K1N 6P6	Telephone 992-6174

NATIONAL FILM BOARD

PROGRAM National Film Board

ACTIVITY Distribution of Films and other Visual Materials

The educational component of the above activity is designed to make educational films available to schools and other educational institutions through a system of lending. Reservations for films must be made in advance through regional offices.

Films to Educational Institutions (All levels)

Expenditure \$ 859,000

TOTAL \$ 859,000

CONTACT National Film Board Headquarters
 150 Kent Street
 Ottawa K1A 0M9 Telephone 992-3615

NATIONAL HEALTH & WELFARE

PROGRAM	Health Insurance & Resources (Health Programs)
ACTIVITY	Child & Adult Health Services (Personal Health)
SUB-ACTIVITY	Health Education

The Health Education activity, established in 1962, is designed to provide information on health education projects across Canada. Information pertaining to health-oriented programs and materials are obtained from other federal government departments, provincial governments, voluntary professional and commercial health agencies.

Quarterly bulletin Health Education
(Education Sanitaire)

Available to teachers upon request.

SUB-ACTIVITY Dental Health Manual

In 1972-73, a dental health manual providing detailed information on dental health was reprinted. Provincial consultants, the Canadian Dental Association and individual experts consulted in preparation and approval of an addendum to the original.

Dental Health Manuals (for use in secondary and post-secondary educational institutions). Distributed through provincial departments of health.

Expenditure	\$	4,800
-------------	----	-------

NATIONAL HEALTH & WELFARE

SUB-ACTIVITY Canadian Survey on V.D. Education

The survey, conducted in 1973, was designed to evaluate the teaching content of provincial and selected local curriculum guides on venereal disease education. Provincial departments of education along with selected school boards were solicited for information.

Research Contract with University

Specific conditions of the contract were specified in a letter of agreement between the Department and the University.

Expenditure	\$	2,000
-------------	----	-------

SUB-ACTIVITY V.D. Pamphlet

Re-print of VD pamphlet. Audience - General Public

Expenditure	\$	15,000
-------------	----	--------

ACTIVITY Health Services Improvement

SUB-ACTIVITY Public Health Research Grant

The Public Health Research Grant, established in 1948, is designed to administer a research program under which financial support is provided directly to organizations for applied research of national interest in the public health service fields.

NATIONAL HEALTH & WELFARE

Research Grants to Faculty

Priority is given to research projects having a direct relationship to one or more of the following aspects of Public Health: prevention of disease; disability or death; promotion and preservation of health; epidemiological studies; community based studies in health services; operational research; environmental health.

Expenditure	\$ 3,257,700
Number 175	
Specialization	
Agriculture &	
Biological Sciences;	
Engineering & Applied	
Sciences; Health	
Specializations;	
Mathematics, Physical	
Sciences, etc.; Social	
Sciences & Related	

SUB-ACTIVITY National Health Grants

The National Health Grants, established in 1969, is a unit established for the administration of a research program under which financial support is provided directly to individuals or organizations for applied research of national interest in the health service fields.

The National Health Grants committee collaborates and consults with other federal departments, with provincial departments and with individual institutions with regard to the grants.

A committee has been established with the Medical Research Council to avoid overlap between projects and to insure that every applicant gets due consideration. Similar, but less formal arrangements exist with the National Research Council and with Environment Canada. Within the department informal consultation occurs with the Non-Medical Use of Drugs Directorate, which is now funding research projects.

NATIONAL HEALTH & WELFARE

Provincial Governments refer the relevant applications for assistance; individual institutions often gather background information on the development of pertinent university or hospital programs, monitor research in progress, and advise on suitability of programs for support.

Research Grants to Faculty

Recipients of awards must be Canadian citizens or landed immigrants and must have educational qualifications appropriate to the level of the award. The research proposed must be consistent with the objectives of the Research Development Directorate.

The sponsoring organization (i.e. the university) must undertake to provide supervision and cover overhead expenses of the facilities.

Projects may continue to be financed beyond one year; however, support is conditional upon the submission of satisfactory progress reports.

Expenditure	\$ 1,525,400
Number	77
Specialization	
	Agriculture &
	Biological Sciences;
	Health Specializations;
	Social Sciences &
	Related

ACTIVITY Health Manpower Development

SUB-ACTIVITY Health Resources Fund Act

The Health Resources Fund Act (14-15 Elizabeth II, Chap. 42), 1966, provided for the establishment of a Health Resources Fund to assist financially in the planning, acquisition, construction, renovation and equipping of health training facilities.

NATIONAL HEALTH & WELFARE

A health training facility is defined under the Act as a school, hospital, or other institution, or any portion thereof, for the training of persons in the health professions, or any occupations association with the health professions, or for the conducting of research in the health fields. This does not include residential accommodation.

To be eligible, projects must be included in a 5-year program for the development of health care facilities. Programs of every province must be approved in principle by the Health Resources Advisory Committee, representing the federal government and every provincial government.

Grants to Provincial Governments

Conditions of support are specified under the Act. Collaboration and consultation with the provinces are continuously undertaken. Contributions make provision for health training facilities at the post-secondary level (university and non-university). In the 1972-73 fiscal year, the amounts expended at the university and non-university levels were \$31,870,000 and \$5,130,000 respectively. Another breakdown of the 37 million total was \$26,818,000 for Education (teaching) and \$10,182,000 for Research.

Expenditure	\$ 37,000,000
-------------	---------------

SUB-ACTIVITY Professional Training Grant

The Professional Training Grant is a cost shared program which was established in 1948 to assist the provinces in the training of health personnel. The types of training supported include basic and post-basic training, short courses, refresher courses and continuing education. Annual meetings and conventions are excluded. Innovative educational

NATIONAL HEALTH & WELFARE

programs to prepare new or modified categories of provincial or national conferences with a major emphasis on health manpower planning and development will be considered for support.

The Grant is intended primarily for present or future staff of provincial and municipal health departments, health units, health regions, hospitals and non-government agencies acting as provincial agents. Health service students who agree to provide health services after their training is completed in under-serviced areas as designated by the province or in provincial programs are eligible for bursary assistance. The fields of training and selection of applicants are determined by the provincial departments of health. Federally, the program is administered by the Health Manpower Directorate, Health Programs Branch, Department of National Health and Welfare.

Grants to Provincial Governments

The amount appropriated annually under Vote 10, Main Estimates of the Department of National Health and Welfare, for the Professional Training Grant is distributed on the basis of \$10,000 to each province with the balance distributed according to the population of each province. In 1960, a basis of 10 cents per capita was introduced, thus the amounts available annually to the provinces increase as the Canadian and provincial populations grow. In 1972-73, the total amount allocated for the Professional Training Grant was \$2,270,600.

NATIONAL HEALTH & WELFARE

A total amount of \$2,178,096.00 was committed by the province, whereas \$2,162,200. was the total amount expended in 1972-73 by the provinces. The rules upon which contributions may be made from such appropriated funds are set forth in P.C. 1971-7/1513 called "The Professional Training Grant Rules, 1971".

Expenditure	\$ 2,162,200
-------------	--------------

ACTIVITY Ensuring the Provision of Hospital Care Services (Health Care Accessibility)

The Hospital Insurance and Diagnostic Services Act was enacted in 1957 to ensure accessibility to hospital services.

In carrying out the administration of the Act, there is periodic consultation between officials of the Department of National Health and Welfare and the Secretary of State concerning the relationship between the Hospital Insurance and Diagnostic Services Act and the Post-Secondary Education Adjustment Payments Regulations under Part II of the Federal-Provincial Fiscal Arrangements Act. The purpose of this liaison is to avoid duplication of federal financial support for costs of education at the post-secondary level.

Continuing consultation pertaining to these Acts also occurs between the provincial and federal officials.

Grants to Provincial Governments

In accordance with Section 4 of the Hospital Insurance and Diagnostic Services Act, funds are transferred to all provinces except Quebec through a system of monthly advances and final payments. Funds to Quebec are

NATIONAL HEALTH & WELFARE

transferred in accordance with the provisions of the Established Programs (Interim Arrangements) Act through the remission of tax points and supplementary payments. The federal payments described above are based on the federal share of hospital operating expenditures which include costs involved in the provision of health training at the post-secondary level by university affiliated hospitals and non-university teaching hospitals.

Expenditure (1972 calendar year)	\$ 58,750,900
-------------------------------------	---------------

PROGRAM Income Security and Social Assistance

ACTIVITY National Welfare Grants

The National Welfare Grants Activity established in 1962, was designed to contribute to the development and strengthening of welfare services in Canada through financial and consultative support to research in the field of social and welfare services.

Discussions between the agents of the National Welfare Grants, the provincial governments, and institution occur when changes in activity components are planned and/or proposed.

Research Grants to Faculty

Research grants are available to individuals who are not candidates for an academic degree, whose capacity for effective research has been demonstrated by previous work, and who possess scholarly maturity as demonstrated by professional experience and/or technical publication.

NATIONAL HEALTH & WELFARE

Appraisal of the applications focuses on the applicants' competence to conduct the proposed research, the technical merits of the proposal, and the relevance of the proposal for National Welfare concerns.

Expenditure	\$	17,300
Number	1	
Specialization		
Social Sciences		
& Related		

Research Grants to Universities

Welfare research grants are intended to support and encourage research of a nature likely to strengthen the capacity of the welfare services, to contribute to the reduction of, and to respond effectively to social welfare problems of national concern.

Grant application forms are appraised on the implementability of findings, technical considerations, and specified administrative criteria. The grants may be renewable annually.

Expenditure	\$	117,500
-------------	----	---------

Research Grants to Provincial Governments

Some as research grants to universities (above). The grants are awarded to provincial government departments for research carried out in the universities.

Expenditure	\$	114,900
-------------	----	---------

Grants to Universities

Commencing in the fiscal year 1962-63, the National Welfare Grants program provided teaching and field instruction grants to existing Canadian schools of social work as a contribution to the training of professional social workers.

This grant was discontinued as of March 31, 1974.

Expenditure	\$	169,600
-------------	----	---------

NATIONAL HEALTH & WELFARE

Bursaries to Provincial Governments for Student Support

Under the National Welfare Grants activity funds are transferred to the Provincial Welfare departments which serve as administrators of welfare bursaries.

Conditions under which the recipient qualifies for and receives the awards are determined by each province. In general, however, the recipient accepts to work within the province which administers the funds for a specific period. The work period generally corresponds to the duration of the bursary.

Expenditure	\$	61,300
-------------	----	--------

Fellowships to Graduate Students

Postgraduate fellowships are available to persons with a Master's degree in social work. Candidates must provide evidence of high academic standing and must intend to pursue full-time advanced/doctoral studies in social work or closely related fields.

Expenditure	\$	180,300
Number 29		
Specialization		
Social Sciences		
& Related		

PROGRAM Medical Services

ACTIVITY Educational Films

The Medical Services Program makes available Educational Films pertaining to areas relevant to the medical services sphere; i.e. civil aviation medicine; public service health; Indian health services; Northern Health Services; Immigration Medical Services and Prosthetic Services. In 1972-73, it is estimated that costs incurred for the production/distribution of these films was \$21,000.

NATIONAL HEALTH & WELFARE

Educational Films to Universities

Films are available upon request.

	Expenditure	\$	21,000
PROGRAM	Fitness and Amateur Sport		
ACTIVITY	Fitness and Amateur Sport		
SUB-ACTIVITY	Grants-in-Aid to Canadian Student Athletes		

The Grants-in-Aid to Canadian Student Athletes was established in 1970 to assist in increasing the participation and improving the performance skills of Canadians in sport.

The project has been evaluated through a nation-wide survey of athletes, coaches, and managers with respect to the effects of the program on motivation and attitudes of athletes.

Grants to Students

In order to qualify to an athletic Grant-in-Aid, the student must be Canadian, and be recognized and recommended by the National Sports Governing Body and the National Selection Committee as an athlete of national and/or international calibre. The candidate also must maintain academic standards acceptable to the educational institution.

In 1972-73, 75 secondary students, 46 post-secondary non-university and 458 university students received \$64 thousand, \$56 thousand and \$766 thousand respectively.

Expenditure	\$	886,000
Number	579	

NATIONAL HEALTH & WELFARE

PROGRAM Non-Medical Use of Drugs

ACTIVITY Abuse of Drugs

The Abuse of Drugs activity is designed to reduce the abuse of drugs and alleviate its effects, and, to eliminate physical, mental and social health problems associated with the non-medical use of mood altering substances.

Research Contracts with Faculty

Projects under contract have to possess scientific merit, be relevant to the objectives of the activity, and add to a body of knowledge.

Contracted projects are evaluated by a Research Evaluation Committee composed of departmental professionals and consultants in universities.

Expenditure	\$	252,500
Number 21		
Specialization		
Agriculture &		
Biological Sciences;		
Health Specializations;		
Social Sciences &		
Related		

ACTIVITY Use of Tobacco

The Use of Tobacco activity, established in the fiscal year 1971-72 is designed to develop standards and guides, to provide education and information, to provide surveillance and research, and, to advise and assist other departments, provinces, voluntary and professional groups in connection with tobacco and its use.

NATIONAL HEALTH & WELFARE

Research Contracts with Faculty

Conditions of Support are the same as above, Abuse of Drugs Activity.

Expenditure	\$	141,000
Number	3	
Specialization		
Health Specializations		

PROGRAM Health Protection Program

ACTIVITY Administration

The Administrative activity of the Health Protection program was established to provide program direction and management, administrative and support services. Educational components are incidental.

Research Contracts with Faculty

Contracted projects were in fields of the program, i.e., Foods, Drugs and Environmental Health.

Expenditure	\$	394,100
Number	4	
Specialization		
Agriculture &		
Biological Sciences		

ACTIVITY Research

The Research activity of the Health Protection Program was established to develop methods for assessing the safety and efficacy of products and to provide solutions to the complex technical problems associated with the administration of health protection legislation.

NATIONAL HEALTH & WELFARE

Research Contracts with Faculty

Projects are contracted when internal resources are not available and when special projects in the field of health protection are required.

Expenditure	\$ 197,300
Number 9	
Specialization	
Agriculture &	
Biological Sciences;	
Health Specializations	

ACTIVITY Environmental Health Services

The Environmental Health Services Activity, established in 1972, is designed to analyze, research and control the environmental and other external or non-personal factors affecting people.

Research Contracts with Faculty

Projects are contracted when internal resources are not available and when special projects in the field of environmental health services are required.

Expenditure	\$ 45,700
Number 3	
Specialization	
Agriculture &	
Biological Sciences,	
Health Specializations	

TOTAL	\$105,319,400
-------	---------------

CONTACT National Health and Welfare
 Information Directorate
 Brooke Claxton Building
 Ottawa K1A 0K9 Telephone 996-4950

NATIONAL MUSEUMS OF CANADA

PROGRAM National Museums
ACTIVITY Administration
SUB-ACTIVITY Training Assistance

The above scheme established in 1972-73 is designed to assist in the training of museologists specialized in the fields of conservation restoration, care of collections, interpretation, education design, display, management and administration of museums and galleries. Objectives are achieved through assistance to educational institutions, to museums and to individuals.

Consultations take place with provincial departments responsible for museums whenever requests are made for assistance from the National Museums of Canada. Museum specialists are consulted as to the efficiency of the programme or project proposed.

Grants to Institutions (Post-Secondary)

The training programme or project proposed must be clearly related to the alleviation of training needs experienced by museums. Accordingly, the University of British Columbia and the University of Western Ontario received contributions in 1972-73 with which to hire one intern each in the University Gallery. Both Queen's and the Royal Ontario Museum received support for conservation training programmes; Algonquin College received a contribution to allow 36 students enrolled in the Museology course to spend 15 weeks during the academic year in an operating museum or gallery.

Expenditure	\$	269,300
-------------	----	---------

NATIONAL MUSEUMS OF CANADA

Research Fellowships to Faculty

Expenditure	\$	25,000
Number	3	

Scholarship to Doctoral Student

The student had to satisfy the National Museums of Canada that studies would enhance skills necessary for work in Canadian Museums. Direct contributions to individuals has now been discontinued.

Expenditure	\$	2,500
Number	1	
Specialization		
Fine & Applied Arts		

ACTIVITY Research

The activity, established in 1972, is designed to encourage basic research on a national scale into specialized fields: i.e., explanation, analysis and interpretation of data on the collections and methods of preservation, and, research on providing attractive, interesting and informative presentations to the public. Consultations pertaining to research needs occur with provincial museums.

Grants to Universities

These grants are awarded for assistance in cataloguing or recataloguing monographs, journals, etc.

Expenditure	\$	19,500
-------------	----	--------

NATIONAL MUSEUMS OF CANADA

Research Contracts with Faculty

When special research is needed and no employee of the museum is able to conduct the research, a contract is made with a faculty member specialized in the required field.

Expenditure	\$	443,000
Number 80		
Specialization		
Social Sciences &		
Related		
 TOTAL	\$	759,300

CONTACT

National Museums of Canada
Century Building
360 Lisgar Street
Ottawa K1A 0M8

Telephone 992-8083

NATIONAL RESEARCH COUNCIL

PROGRAM

National Research Council

The National Research Council of Canada, established in 1916, is charged with undertaking, assisting and promoting scientific and industrial research in Canada. Over the intervening years NRC has developed a broad base of scientific and engineering competence in Canada in its own laboratories, in the university and industrial communities, as well as giving rise to a number of other federal agencies and institutions.

Grants to universities are considered essential for the creation of new knowledge, for the application of science, and for the effective use of national scientific and technological resources. This includes the development and maintenance of a strong scientific base in Canada and the provision for the training and development of highly qualified manpower. In order to satisfy these objectives it is deemed necessary to support research training in the universities.

The NRC programs falling within the scope of this survey are funded under two main votes:

- (a) a vote of \$54.7 million for operating expenditures including the operation of the NRC laboratories;
- (b) a grants and contributions vote of \$82.3 million covering two areas: \$13.7 million as assistance towards research in industry and \$68.6 million for scholarships and grants in aid of research. Out of the total of \$65.65 million identified as activities in the area of education under the present survey \$407,600 originate from the operating vote and \$65.2 million from the grants and scholarships component. The NRC program of scholarships and grants in aid of research is intended mainly for - but not exclusively - the support of university research. Some 30 distinct programs elements were supported under this program in 1972-73.

NATIONAL RESEARCH COUNCIL

The fields of science supported through NRC awards to university researchers include: agriculture, astronomy, biology, chemistry, computing and information science, engineering, physical geography, geology, geophysics, mathematics, metallurgy, meteorology, oceanography, physics, space research and experimental psychology.

The various elements of the NRC program falling within the scope of the present survey are summarized in the following table. (See page 109)

ACTIVITY	Foundation Science
SUB-ACTIVITY	Individual Operating Grants

The present scheme of Individual Operating Grants, traced back to 1917, is designed to contribute to the normal operating costs of the research of individual university researchers.

This is a major activity of the NRC program of scholarships and grants in aid of research and is subject to continuous evaluation by the Standing Committee on Grants and Scholarships. The basis of evaluation, includes inputs from the university research community, the NRC grant selection committees and individual researchers.

In carrying out the objectives of the above, there is occasional consultation with other agencies and departments such as the Medical Research Council and the Canada Council. Grant selection committees also include researchers from universities, industry, and other government research laboratories.

NATIONAL RESEARCH COUNCIL

1972-1973
SUMMARY TABLE

<u>ACTIVITY/SUBACTIVITY</u>	<u>NUMBER OF AWARDS⁽¹⁾</u>	<u>AMOUNTS AWARDED (\$)</u>
FOUNDATION SCIENCE		
.Individual Operating Grants	4,901	37,783,300
.Equipment Grants	215	2,566,200
.Major Equipment Grants	18	1,487,500
.Computing Grants	771	1,746,000
.Nuclear Physics Grants-		
Installations	3	1,075,000
.High Energy Physics Grants	10	980,600
.Negotiated Development Grants	31	3,984,800
.Institute Grants	8	398,200
.Major Installation Grants	1	250,000
.Regional Development Grants	35	986,000
.Special Study Grants	5	87,800
.Special Projects Grants	12	749,400
.Project Research Applicable to Industry (PRAI)	10	327,700
.E.W.R. Steacie Memorial Fellowships	4	58,400
.Senior Industrial Fellowships	6	62,700
.International Exchange Program	120	176,300
.International Biological Program	19	784,400
.Travel Fellowships	111	212,000
.General Research Grants	46	3,040,800
.Conference Grants (2)	30	106,400
.Research Contracts	5	75,800
Subtotal - Foundation Science	6,361	56,939,300
SUPPORT OF POST GRADUATE STUDENTS		
.Post Graduate Scholarships	1,588	5,303,200
.1967 Science Scholarships	117	814,700
.Scholarships in Science Librarianship and Documentation	8	24,600
.Bursaries	294	853,500
.Regional Development Bursaries	44	110,600
.Post-Industrial Research Experience Fellowship (PIER) (3)	15	102,700
.Post Doctoral Fellowships (3)	163	1,170,900
Subtotal - Support of Post Graduate Students	2,249	8,380,200
SCIENCE APPLIED FOR INDUSTRIAL PURPOSES		
.Research Contracts ⁽²⁾	11	307,900
SCIENCE APPLIED FOR TRANSPORTATION		
.Research for Contracts ⁽²⁾	1	15,000
SCIENTIFIC AND TECHNICAL INFORMATION DISSEMINATION		
.Research Contracts ⁽²⁾	1	9,000
TOTAL	8,023	65,651,400

(1) Number of grants or contracts awarded, or number of scholarships held.

(2) Funds provided through the NRC operating vote. Funds for all other items were provided through the scholarships and grants vote.

(3) Does not include NATO fellowships.

NATIONAL RESEARCH COUNCIL

These operating grants are awarded on an annual or three-year basis to individual researchers at Canadian universities. Grant funds may be used to employ assistants, to purchase minor equipment, materials, supplies, computing services, field trips and other limited travel.

Research Grants to Faculty

Applications for research funds are made by the individual researchers with the authority of the university in which individuals work.

The grants for university research are awarded to individual researchers on the basis of merit of their research proposal and their proven excellence in research, be it fundamental or applied, as judged by a committee of their peers.

Expenditure	\$ 37,783,300
Number	4,901

SUB-ACTIVITY Equipment Grants

The scheme of equipment grants, originating in 1953, is designed to assist in the purchase of special research equipment or installations costing in excess of \$5,000 and less than \$50,000.

Research Equipment Grants to Faculty

The recipient of a three-year grant may apply during any year of tenure of the grant. The head of each university department from which applications for equipment grants have been submitted advises the Office of Grants and Scholarships of the priority assigned to each application from that department.

NATIONAL RESEARCH COUNCIL

The priority list is accompanied by information concerning equipment similar to that requested which is already available in the university. Information is also requested from the applicant on the possible use of the equipment by other researchers.

Applications for equipment grants of less than \$50,000 are submitted to grant selection committees for review and recommendations on funding within the overall preassigned budget. Grant selection committees are also supplied with information on all equipment grants awarded during the last five years.

Expenditure	\$ 2,566,200
Number 215	

SUB-ACTIVITY Major Equipment Grants

The above scheme, originated in 1955 is designed to assist university researchers in the purchase of special research equipment or installations costing in excess of \$50,000 and less than \$150,000

Research Equipment Grants to Faculty

Applications for major equipment grants are first submitted to grant selection committees for review and recommendations for funding.

Expenditure	\$ 1,487,500
Number 18	

SUB-ACTIVITY Computing Grants

Computing Grants established in 1971 is designed to help individual researchers cover the computing costs of their research. This scheme replaced a previous program of grants to university computing centers.

NATIONAL RESEARCH COUNCIL

Computing Grants to Faculty

Computing costs are now included in application for operating grants and are considered by grant selection committees during the review of applications for individual operating grants.

Expenditure	\$ 1,746,000
Number 771	

SUB-ACTIVITY Nuclear Physics Grants

Established in 1961, the above was designed to support the research of individual researchers at nuclear physics installations in universities.

Research Grants to Faculty*

Applications are reviewed by a joint visiting committee of the NRC and the Atomic Energy Control Board.

Expenditure	\$ 1,075,000
Number 3	

SUB-ACTIVITY High Energy Physics Grants

The above scheme, established in 1971, is designed to support research of Canadian scientists in experimental high energy physics in particle physics. Prior to 1971 this sub-activity was incorporated in the support of physics installations.

*This program might be considered as having a group or institutional component in addition to the individual component.

NATIONAL RESEARCH COUNCIL

Co-operation occurs between NRC and the Institute of Particle Physics which has significant input for determining research to be performed and the allocation of funds.

Research Grants to Faculty*

The applications for individual projects are coordinated and grouped in a single detailed application which is submitted to the NRC by the Institute of Particle Physics. This application is reviewed by a special selection committee which includes the Chairmen of the Physics Grant Selection Committee, the Nuclear Physics Grant Selection Sub-Committee; and the NRC/AECB Visiting Committee; and three high energy physicists from outside Canada.

Expenditure	\$	980,600
Number 10		

SUB-ACTIVITY Negotiated Development Grants

The above, established in 1967, is designed to provide means whereby NRC can enter into a partnership with a university to share in the cost of initiating or developing research in areas of significance to the scientific regional, economic, or resources development of the country.

Research Grants to Faculty*

These grants are awarded over fixed periods of normally three to five

*This program might be considered as having a group or institutional component in addition to the individual component.

NATIONAL RESEARCH COUNCIL

years to assist groups of capable and highly motivated researchers to undertake specific programs in new or interdisciplinary areas of research effort of high potential or accepted scientific merit. Funds provided by negotiated development grants may be used for salaries of new professional staff, PDF's, graduate students, technicians, equipment, material and supplies, field trips and computing costs. Universities must be prepared to assume salaries of staff hired through the grant after it terminates.

Applications are submitted by universities (not by groups or individuals) and must indicate the objective; the research program envisaged to achieve the objective; the staff who will carry out the program; a clearly stated budget; indication of space and equipment available and justification for the grant in terms of its relevance to the scientific, regional, economic, socioeconomic or resource development of Canada. Proposals are reviewed by visiting committees who report to the Committee on Negotiated Grants. Grants are awarded within the budget available to the Committee on the basis of the following criteria: soundness of research program, calibre and cohesion of the group, relevance to scientific economic, socioeconomic or resource development of Canada, and justification for a negotiated grant as opposed to a program which might be adequately developed through the NRC individual grants program. After a grant has been awarded, the university must submit annual progress and financial reports which are reviewed by visiting committees whose reports are considered by the Committee on Negotiated Grants before each instalment is paid.

Expenditure	\$ 3,984,800
Number 31	

NATIONAL RESEARCH COUNCIL

SUB-ACTIVITY Institutes - Special Grants

The special Grants to Institutes, originated in 1932 and is designed to contribute towards the infrastructural costs of certain research institutes or the equivalent of research institutes such as the operation of major facilities.

Research Grants to Universities

Applications are made annually and are considered by the Committee on Negotiated Grants.

Expenditure	\$	398,200
Number	8	

SUB-ACTIVITY Major Installation Grants

The major installation grants, established in 1961, are designed to assist competent research groups in Canadian universities to acquire a large piece of equipment (over \$150,000) or a special facility.

Research Installation Grants to Faculty*

Application for the grants are made by individual staff members of a university. The installation must be justified in terms of need and potential scientific benefits.

Expenditure	\$	250,000
Number	1	

*This program might be considered as having a group or institutional component in addition to the individual component.

NATIONAL RESEARCH COUNCIL

SUB-ACTIVITY Regional Development Grants

Regional Development Grants are designed to create, restore, or improve the environment for research in certain regions where in the national interest, the need and value of doing so is clearly evident, and where NRC's other programs are not effective in accomplishing this objective.

The program is aimed at helping universities and their staff members to develop their potential or to emerge to a point where they are in a better position to apply more successfully and in greater numbers for regular NRC grants. Universities are therefore invited to identify the particular circumstances that are preventing its researchers from contributing more effectively to the national scientific effort. The program is flexible so that special opportunities can receive special treatment: some grants are awarded to a given university for a series of identified activities; other grants are awarded to individuals as leaders of a research team. For the time being only the Quebec francophone universities and small universities in the Maritimes are eligible. Funds provided by these grants may serve to support staff, graduate students, equipment, etc.

Research Grants to Faculty*

Applications are submitted by universities after identification of regional scientific disparity problems and corrective mechanisms. The budget for this program is allocated by the Executive Committee of Council.

*This program might be considered as having a group or institutional component in addition to the individual component.

NATIONAL RESEARCH COUNCIL

Decisions on awards are made after consultation with the Advisory Committee on Regional Development Program. Grants are awarded on the basis of the following criteria: a clearly defined problem, the soundness of the chosen method to solve the identified problem, the relevance of the selected activity to the university's priorities of development, the existence of a long-term planning of development, and the university's contribution.

Expenditure	\$	986,000
Number	35	

SUB-ACTIVITY Special Study Grants

The above, established in 1967, is designed to assist groups or individuals to undertake studies to provide design features, technical data and define research programs associated with proposed major installations or projects, as well as studies that have broad implications for Canadian science.

Research Grants to Faculty

These grants are given for the specific purpose of obtaining information NRC may find helpful in its deliberations on major undertakings. These grants are usually negotiated with the proposers as to the scope, duration, and costs, etc., of the study being undertaken.

Expenditure	\$	87,800
Number	5	

NATIONAL RESEARCH COUNCIL

SUB-ACTIVITY Special Projects Grants

The scheme of Special Projects Grants, established in 1970, was designed to fund projects which fall outside the scope of other regular NRC programs, including projects which NRC itself might wish to initiate.

This led to the PRAI program discussed in the next section.

Research Grants to Faculty

This program is very flexible in order to meet its objectives to the extent that an ad hoc evaluation of proposals is applied.

Expenditure	\$	749,400
Number	12	

SUB-ACTIVITY Project Research Applicable in Industry (PRAI)

The above, established in 1972, is designed to capitalize on university research advances showing potential for eventual commercial exploitation in Canada by providing financial support for the further development of such advances in university laboratories to the point at which they can be transferred to industry.

Research Grants to Faculty

The application for a grant is made by a faculty member in collaboration with a company that could capitalize on the results in Canada.

NATIONAL RESEARCH COUNCIL

Before an award is made the technical feasibility of the project, the likelihood of successful commercial exploitation and the potential economical benefits are considered in detail with the collaborating company.

Expenditure	\$	327,700
Number 10		

SUB-ACTIVITY EWR Steacie Memorial Fellowship

The EWR Steacie Memorial Fellowship, established in 1963 is designed as a prestige fellowship awarded to outstanding and promising young scientists, encouraging and providing the opportunity to develop creative ideas.

It is awarded to scientists, under 35 years old, working in one of the fields of science supported by NRC. It is believed that the researchers development could be vitally enhanced by relief from teaching or other duties devotion of time and energy to research for a period of two to three years.

Provided that there is a suitable candidate, one award is made each year for a term of two years, with the possibility of extending the term to three years. The tenure is in a Canadian university during the first year of the award.

Expenditure	\$	58,400
Number 4		

SUB-ACTIVITY Senior Industrial Fellowships

The Senior Industrial Fellowship scheme, established in 1971, is designed to stimulate productive interchange between universities and industry by allowing staff members of Canadian universities with experience to spend a minimum period of one year with industrial organizations in Canada.

NATIONAL RESEARCH COUNCIL

Research Fellowships to Faculty

In order to qualify for support the candidate should be a university staff member with little or no industrial experience.

The individual makes applications for the award. The fellowship is payable to the university and provides a component of the fellows salary to insure that the fellow receives in total an amount equal to his manual salary.

The applications are reviewed by the Industrial Post-doctorate Selection Committee on the basis of a detailed curriculum vitae, a letter from the appropriate university authorities supporting the application, a letter from the company agreeing to accept the candidate, and a general outline of the type of work to be carried out during the fellowship tenure and prepared by the company.

Expenditure	\$	62,700
Number	7	

SUB-ACTIVITY International Exchange Program

The above, established in 1959, is designed to send Canadian scientists on short and long-term visits to a number of countries, and, to receive scientists from those countries for similar visits in Canada to develop and work on collaborative projects.

Travel Grants to Faculty

In order to qualify for support, candidates should be experienced scientists and should have made arrangements with foreign laboratories.

Expenditure	\$	176,300
Number	120	

NATIONAL RESEARCH COUNCIL

SUB-ACTIVITY International Biological Program

The International Biological Program is designed to provide Canadian participation for university-based research projects falling within the scope of the International Biological Program.

Research Grants to Faculty

Grants are given to scientists doing research in Canadian universities, and of relevance to the IBP. The awards are made on the basis of scientific merit and quality of work.

Expenditure	\$	784,400
Number 19		

SUB-ACTIVITY Travel Fellowships

The above, established in 1971, is designed to assist, by means of a travel grant, established scientists to spend a period of at least 6 months at a laboratory other than their own.

Travel Fellowships to Faculty

In order to qualify for support, the candidate must be a staff member at a Canadian university. There is no restriction on the choice of laboratory to be visited. Applications are assigned to an appropriate grant selection committee for review and recommendation on funding.

Expenditure	\$	212,000
Number 111		

NATIONAL RESEARCH COUNCIL

SUB-ACTIVITY General Research Grants

The scheme of General Research Grants, established in 1956, awards to university presidents in way of institutional grants funds for promoting scientific research in the fields supported by NRC and to give a desirable degree of flexibility in the support of research activities within their universities.

Research Grants to Universities (Presidents)

The award is given annually to presidents of universities at which a program of post-graduate studies and an appreciable volume of research supported by NRC operating grants is being carried on. The formula used to award general research grants is one of the following, whichever is greater.

(a) 7.5% of the total of operating grants awarded to staff members at the university during the previous year;

(b) 95% of the previous year's General Research Grant.

Applications are considered for supplements to General Research Grants from universities receiving a General Research Grant of less than \$25,000.

Expenditure	\$ 3,040,800
Number 46	

SUB-ACTIVITY Conference Grants

The scheme of Conference Grants, is designed to help support scientific conferences, symposia and meetings held in Canada and organized by Canadian organizations and institutions.

NATIONAL RESEARCH COUNCIL

Grants to Universities

For conferences sponsored by Canadian organizations involving primarily participation by scientists in Canada, but excluding meetings or symposia of a purely local nature, applications are handled by the Office of Grants & Scholarships, and, submitted to the appropriate grant selection committee for review and recommendation on funding.

For international conferences, hosted by a Canadian body on behalf of an international organization to which Canada may or may not adhere through some body, applications are handled on the basis of recommendations from the Committee on Scientific & Technological Affiliations, through the Office of International Relations.

Expenditure	\$	106,400
-------------	----	---------

SUB-ACTIVITY Research Contracts

The objectives involve the funding of mission-oriented research for which facilities and/or expertise are not available within the NRC laboratories.

Research Contracts with Faculty

Scientific expertise and capability to carry out the proposed research are qualifications the contract awardee must fulfill. The particular conditions are specified in each contract.

Expenditure	\$	75,800
Number	5	

ACTIVITY	Support of Post-Graduate Students
SUB-ACTIVITY	Postgraduate Scholarships

The postgraduate scholarship scheme, instituted in 1917 with the founding of the Council, is designed to assist students in undertaking graduate study and research leading to an advanced degree. These scholarships are awarded for one year but they may be renewed twice on the basis of reports of satisfactory progress. In total an individual may receive up to four years of NRC support through the Postgraduate Scholarships scheme.

Scholarships are awarded to students who will be/have been admitted to a graduate school as candidates fully qualified to engage in a program of postgraduate studies and research leading to an advanced degree in the fields of agriculture, biology, chemistry, physics, geology, physical geography, mathematics, engineering and experimental psychology. These scholarships are awarded for tenure in Canada. However, candidates who can provide sufficient evidence that facilities for a suitable Ph.D. program are limited or lacking in Canada may receive special permission to study abroad. These scholarships are limited to Canadians and to landed immigrants who, at the time of application, are resident in Canada and who have completed one full academic year of study at a Canadian university.

Applications for scholarships are reviewed by the NRC Scholarships Selection Committee. Academic excellence is the main criteria used in the selection of candidates.

Expenditure	\$ 5,303,200
Number 1,588	

NATIONAL RESEARCH COUNCIL

SUB-ACTIVITY 1967 Science Scholarships

The 1967 Science Scholarship was designed as a prestige program of postgraduate scholarships to assist outstanding students in undertaking graduate study and research leading to the Ph.D. degree.

A maximum of 50 new scholarships is awarded annually to outstanding students who at the time of application have not reached 30 years of age and who are in the final year of their honours Bachelor's degree program. These scholarships are awarded for 3 years in the first instance and are renewable for a fourth year. Scholarships are restricted to Canadians and may be held only in Canadian universities other than those from which the candidates have graduated. In 1972-73 the value of these scholarships was \$5,500 plus tuition fees and an annual grant of up to \$1,500 to the scholar's supervisor.

Students must be nominated by the university. The applications are considered by a Special Scholarships Selection Committee that interviews each candidate. Academic excellence is the main criteria in the selection of award winners. The standards are higher under this program than they are for other types of NRC postgraduate awards.

Expenditure	\$	814,700
Number 117		

SUB-ACTIVITY Scholarships in Science
Librarianship and Documentation

The above scheme, established in 1966, is designed to assist science or engineering graduates to obtain advanced degrees in the fields of science librarianship and documentation.

NATIONAL RESEARCH COUNCIL

Scholarships to Students

At the time of application, an individual must have, or expect to receive a degree in Engineering or Science; be a Canadian citizen or landed immigrant; and, have been accepted by a recognized School of Library Science or Documentation.

Applications are considered by an NRC Scholarship Selection Committee and awards are made on the basis of high scholastic achievement and evidence of suitability for a career as a science librarian or science information specialist.

Under the terms of the award provision is made for successful candidates to undergo a four-month practical training period at the National Science Library in Ottawa or at such other libraries as may be approved by the Scholarship Selection Committee. The respect of the practical training period is to provide students with an opportunity to become familiar with the operation of a library prior to undertaking graduate studies.

Expenditure	\$	24,600
Number	8	

SUB-ACTIVITY Bursaries

The above, initiated in 1968, was designed to assist students in undertaking graduate study and research leading to advanced degrees while leaving the selection of the candidates to universities. Each university was assigned a quota of bursaries prorated on the basis of the number of eligible graduate students within each university with respect to the total population of eligible graduate students in Canadian graduate schools.

This program was being phased out in 1973-74.

NATIONAL RESEARCH COUNCIL

Bursaries to Masters' and Doctoral
Students

Conditions of eligibility are similar
to those stipulated for postgraduate
scholarships, above.

Expenditure	\$	853,500
Number	294	

Regional Development Bursaries

See Regional Development Grants
page 116.

Expenditure	\$	110,600
Number	44	

SUB-ACTIVITY Post-Industrial Experience
Research Fellowships

The scheme of Post Industrial Research Fellowships, established in 1966, was designed to provide engineers and scientists who have industrial experience with an opportunity to gain additional experiences and training. It was expected that the PIER Fellows would return to industry upon completion of their studies. This was not achieved and as a result phasing out of the programs was initiated in 1972, and replaced by the program of Industrial Cooperative Fellowships.

Fellowships were tenable at universities and government laboratories.*

Expenditure	\$	102,700
Number	15	

*68 Industrial Postdoctorate Fellowships, amounting to a total of \$417,600 have not been included because they are tenable in industry, and not in universities as defined by the scope of the current survey.

NATIONAL RESEARCH COUNCIL

SUB-ACTIVITY Post-Doctoral Fellowships

The scheme of post-doctoral fellowships, established in 1948, is designed to provide persons who have just recently completed the requirements for their doctorate degree with an opportunity to add to their experience by engaging in specialized training.

Research Fellowships to Post-Doctoral Students

Candidates must be Canadians or landed immigrants who are residing in Canada at the time of application and who have received a Ph.D. from a Canadian university or have just completed. Academic excellence is the main criterion in the selection of awards winners.

*Expenditure \$ 1,170,900
Number 163

ACTIVITY Science Applied for Industrial Purposes

SUB-ACTIVITY Research Contracts

The educational component of this activity established in 1970, is designed to develop a system of grants to university staff that would complement existing grant programs and that would be aimed at overcoming some of the difficulties arising at the university-industry interface, thus facilitating the transfer of research results from the university laboratory to industry.

*Does not include NATO Fellowships

NATIONAL RESEARCH COUNCIL

Research Contracts with Faculty

Contracts are awarded to individuals possessing scientific expertise and capability to carry out the proposed research. Specific conditions are negotiated in each contract.

Expenditure	\$	307,900
Number	11	

ACTIVITY Science Applied for Transportation

SUB-ACTIVITY Research Contracts

The objective of the contracts is to fund research projects applied to transportation.

Research Contracts with Faculty

Contracts are awarded to individuals possessing scientific expertise and capability to carry out the proposed research. Specific conditions are negotiated in each contract.

Expenditure	\$	15,000
Number	1	

ACTIVITY Scientific and Technical Information Dissemination

SUB-ACTIVITY Research Contracts

The educational component, established in 1970, is designed to assist in the development of a national Scientific and Technological Information system.

NATIONAL RESEARCH COUNCIL

Research Contracts with Faculty

Research contracts are awarded to individuals possessing scientific expertise and capability to carry out the proposed research. Specific contract conditions are negotiated in each case.

Expenditure	\$	9,000
Number	1	
TOTAL		\$ 65,651,400

CONTACT

National Research Council
Office of Grants and Scholarships
Program Review and Analysis
Montreal Road
Ottawa K1A 0R6

Telephone 993-1301

REGIONAL ECONOMIC EXPANSION

PROGRAM Regional Economic Expansion
ACTIVITY Infrastructure Assistance
SUB-ACTIVITY Special Areas

Inaugurated in 1969, DREE has assisted in the financing of certain educational facilities under its Special Areas Program. The purpose is to improve the quality of education and to help communities in slow growth regions to acquire the kinds of community services which will help the regions realize their potential for economic development. Funds are provided in the form of contributions (grants) and/or loans depending on individual federal/provincial agreements.

Grants to Institutions

	Expenditure	\$ 11,789,000
Elementary & Secondary	\$8,576,000	
Vocational	1,589,000	
Universities	1,624,000	

Loans to Provinces*

	Expenditure	\$ 5,565,000
Elementary & Secondary	\$4,180,000	
Vocational	1,385,000	

SUB-ACTIVITY Fund for Rural and Economic Development

Authorized by an Act of Parliament in 1966, the Fund for Rural and Economic Development provides for the development of comprehensive development plans in selected areas. As it pertains to education its purpose is to improve the quality of education and

*Note: These funds eventually will revert to the federal treasury.

REGIONAL ECONOMIC EXPANSION

to help communities in slow growth regions to acquire the kinds of community services required to help them realize their potential for economic development. The selected areas are Prince Edward Island, North-East New Brunswick, the Interlake-Manitoba and Gaspé.

Grants to Provincial Governments

Expenditure	\$	762,000
Vocational Education	\$	446,000
Adult Education		316,000
TOTAL	\$	18,116,000

CONTACT

Regional Economic Expansion
Sir Guy Carleton Building
161 Laurier Avenue, West
Ottawa K1A 0M4

Telephone 992-0598

SECRETARY OF STATE

PROGRAM Bilingualism Development

ACTIVITY Development of Bilingualism in the Non-Government Sector

The educational component of the above activity, established in 1972, is designed to encourage and support activities in the field of language pedagogy.

In order to meet the above objectives, consultation and collaboration occurs with other bodies. At the federal government level, this takes place with the Canada Council to avoid duplication of awards for the same research project; and with the Language Bureau, Public Service Commission to evaluate the scientific quality of each project.

Consultation occurs with appropriate provincial governments before a project is funded. This ensures that objectives of the funded projects are consistent with policies and objectives of the province.

Occasionally, individual research institutions are asked to evaluate the scientific quality of each project.

Research Grants to Universities

The funded research projects must be relevant to either of the two official languages and the results must be applicable to the teaching of these languages.

Expenditure \$ 176,100

SECRETARY OF STATE

Research Grants to Faculty

Research conducted must be in the field of language methodology or psycholinguistics. Time limitations are placed on the duration of the project.

Expenditure \$ 230,000
Number 6
Specialization Interdisciplinary

ACTIVITY Cooperation with the Provinces

The educational component, established in 1970, is designed to enable Canadians to have their children educated in the official language of their choice, and to enable students to learn the other official language as a second language.

Continuous cooperation and consultation occurs with other federal bodies: the Public Service Commission; Statistics Canada; Privy Council; Treasury Board; and Finance. Provincial officials are consulted with respect to evaluation reports and scientific analysis.

Grants to Provincial Governments

The Division is involved in the promotion of bilingualism in the provinces through technical and financial aid for operation of second language schools in the provision of second language courses for provincial employees. Programs of financial aid are also available for translating provincial statutes and regulations.

Elementary & Secondary \$54,383,900
University 8,499,600

Expenditure \$ 62,883.500

SECRETARY OF STATE

Bursaries to Provinces
(for University Students)

Bursaries and fellowships are available for: Travel: available to students who must go outside their own province to pursue education in their own language. Bursaries: available for short-term training sessions for second-language teachers; Summer bursaries: available to cover the costs of tuition, room and board in second-language immersion courses at approved educational institutions; Fellowships: up to \$2,000 and available for students specializing in second-language studies who wish to study in the milieu of that language.

Expenditure	\$ 504,700
-------------	------------

PROGRAM	Education Support
---------	-------------------

ACTIVITY	Administration
----------	----------------

The educational component, established in 1966-67 with the creation of the Education Support Branch, is designed to conduct or sponsor research into areas of education where the federal government has some involvement, or where existing or planned federal programs and policies have a bearing on or are influenced by educational development in Canada. Thus its focus is on national education problems and goals and how they relate to the economic and social policies of the federal government. Development of techniques for assessing such questions as the degree of accessibility to higher education in Canada, interprovincial differences in educational systems, and provision of necessary statistical data for the work of the Education Support Program in evaluating federal financial involvement in education, are major activities.

SECRETARY OF STATE

Since 1966-67, some research has been supported through a series of contracts. These contracts are consistent with the federal interest in the general development of Canadian education.

Research Contracts with Universities

A contract was made with the University of Toronto to conduct a study on Continuing Education in Canada.

Expenditure	\$	60,000
-------------	----	--------

Research Contracts with Faculty

The recipients were experts in the areas of research for which they received contracts.

Expenditure	\$	23,300
Number	4	
Specialization		
Social Sciences &		
Related		

ACTIVITY Post-Secondary Education Payments

The educational component of this activity consists of administration of post-secondary education adjustment payments to the provinces under a program of fiscal transfers in support of post-secondary education under the Federal-Provincial Fiscal Arrangements Act, 1972. Another Section of the Act dealing with a federal revenue reduction relating to post-secondary education, with associated equalization and revenue guarantee payments (tax points) is administered by Finance. For more details, see Finance, pages 51-52.

Payments to Provincial Governments
(for Post-Secondary Education)

Expenditure	\$481,097,700
-------------	---------------

SECRETARY OF STATE

PROGRAM Citizenship Development

The educational component of this program in 1972-73 consisted in the awarding of research contracts for special studies. Competence in the area under consideration was the basis of awarding the contracts.

ACTIVITY Travel & Exchange

Research Contract with University

The contract for the evaluation of the Young Voyageur scheme was awarded on the basis of competence in evaluation. Because of nature of program, provincial permission and cooperation was necessary to carry out the project.

Expenditure	\$	25,000
-------------	----	--------

ACTIVITY Human Rights: Citizens Rights & Freedoms

Research Contract with Faculty

The contract was awarded on the basis of the individual's known expertise in the area under study.

Expenditure	\$	4,500
Number	1	
Specialization		
Social Sciences &		
Related		

ACTIVITY Multicultural Studies

Research Contract with University

Expenditure	\$	70,000
-------------	----	--------

SECRETARY OF STATE

Research Contracts with Faculty

Expenditure	\$	15,000
Number 3		
Specialization		
Social Sciences &		
Related		
PROGRAM	Translation	
ACTIVITY	Research and Development	

The educational component, established in 1968, was designed to increase the supply of qualified translators from English to French, to provide for better training courses for future translators, and to encourage the establishment of Translation schools within Canadian universities. Since its inception, the latter has been achieved.

There is continuous collaboration with participating universities in areas as varied as curriculum development, students results, summer training programs.

Grants to Universities

In order to receive federal financial assistance for translation programs, the university must have its curriculum approved by the Translation Bureau and be a member of the Association of University Translation Schools of Canada.

A \$500 grant per student is awarded directly to the participating universities.

Expenditure	\$	99,000
-------------	----	--------

SECRETARY OF STATE

Scholarships/Allowances to Undergraduate
Students

The Translation Bureau subsidizes a university training program for the recruitment and training of translators.

Under the program, the federal government pays the students' tuition directly to the universities and gives the student a living allowance of \$2,050 per academic year for a three-year course leading to an Honours Bachelor degree in Translation at the University of Ottawa, University of Montreal, Laval and Laurentian Universities.

The Bureau provides the students with summer employment as part of their training and requires that they work after graduation with the federal government for a period of time equal to their years of subsidized training.

Expenditure	\$	512,800
Number 198		
Specialization		
Humanities & Related		

TOTAL	\$545,701,600
-------	---------------

CONTACT	Secretary of State Information Services Branch 22nd Floor Lord Elgin Plaza 66 Slater Street Ottawa K1A 0M5	Telephone 992-2705
---------	---	--------------------

SCIENCE COUNCIL OF CANADA

PROGRAM Science Council of Canada*

ACTIVITY Operations

The educational component of the Council's activities, is designed to increase the Council's educational influence and to have access to expertise required for meeting the quickly changing needs of the Council's program of studies. The Council employs only a cadre of continuing staff: the rest of the requirements are met by research contracts and secondments from outside. The universities and faculty members predominate among the recipients of these contracts. The principal objective of a research contract is to provide the expert knowledge needed by the Council for a given project, but an important secondary objective is to provide the recipients of contracts with an opportunity to learn about science policy problems and to obtain a perspective on the field of their own activities from the science policy point of view. Several of the Council's studies are explicitly concerned with the needs of the universities, particularly in the field of research.

At the federal government level there are extensive consultations with, and sometimes secondments from, the departments related to the subject of each study. Similar arrangements exist with the provinces.

Consultation and cooperation with universities and industry exist through contracts, secondments and membership on the Council.

Research Contracts with Universities

The university must possess outstanding expertise in a field of current interest to the Council, plus a deep interest in the problems of science policy.

Expenditure	\$	104,500
-------------	----	---------

*Established in 1966

SCIENCE COUNCIL OF CANADA

Research Contracts with Faculty

In order to qualify for support the faculty members involved must be the best available researchers for the task and must be able to give sufficient amount of time from their regular activities.

Degree of relevant knowledge and experience, the ability to undertake interdisciplinary work either directly or by acting in an integrating capacity for the work of several experts, knowledge of and/or interest in science policy, and ability to communicate verbally and in report format are some of the criteria considered before awarding a contract.

Expenditure	\$	33,600
Number 11		
Specialization		
Agriculture &		
Biological Sciences;		
Engineering & Applied		
Sciences; Health		
Specializations;		
Mathematics, Physical		
Sciences, etc.; Social		
Sciences & Related		
 TOTAL	\$	138,100

SOLICITOR GENERAL

PROGRAM Administration

ACTIVITY Administration Research and Coordination

The educational component of the above activity, established in 1966, is designed to assist in the education and training of professional workers in criminology and corrections.

In carrying out the objectives there is considerable collaboration and consultation with other bodies. At the federal government level there is close cooperation with Justice, Health and Welfare, and Statistics Canada for the development of an overall approach to the Criminal Justice system. With the provincial authorities coordination takes the form of contractual agreements for the exchange of correctional services, joint surveys and research projects. Joint activities with universities, professional bodies and voluntary community agencies include exploratory and research projects.

Research Grants to Universities

In order to qualify for support the universities involved must possess the ability and facilities to conduct research work. Research projects also must be relevant to the policy and programmes pertinent to development of the Criminal Justice System in Canada.

Expenditure \$ 92,000

Research Contracts with Universities

Research contracts are awarded to institutions with recognized ability and existing facilities to conduct research projects.

Expenditure \$ 50,000

SOLICITOR GENERAL

Loan of Personnel to Universities

As a temporary measure in 1972-73 the department lent "developmental assistance" during the first few years a new institution began operations.

Expenditure	\$	3,500
TOTAL	\$	145,500

STATISTICS CANADA

PROGRAM Statistics Canada

Derived from Statistics Canada's mandate to collect, compile, analyze and publish statistical data, research contracts are awarded for specific research needs in pursuit of Statistics Canada's objectives of data collection, compilation, analysis and publication. Details and specifications of each contract vary; these are worked out between Statistics Canada and each individual faculty member.

ACTIVITY Economic Accounts

Research Contracts with Faculty

Expenditure	\$	6,100
Number	1	
Specialization		
Social Sciences &		
Related		

ACTIVITY Administration

Research Contracts with Faculty

Expenditure	\$	7,700
Number	10	
Specialization		
Interdisciplinary		

ACTIVITY Socio-Economic Statistics

Research Contracts with Faculty

Expenditure	\$	82,800
Number	9	
Specialization		
Social Sciences &		
Related		

STATISTICS CANADA

ACTIVITY Coordination, Integration & Development

Research Contracts with Faculty

Expenditure \$ 32,500
Number 3
Specialization
Interdisciplinary

TOTAL \$ 129,100

CONTACT Statistics Canada
Information Services
Coates Building
Tunneys Pasture
Ottawa K1A 0T6 Telephone 992-5426

TRANSPORT

PROGRAM Air Transportation Program

ACTIVITY Administration

The educational component of this activity is to provide education to the children of departmental employees housed on airports (Crown lands): school fees are paid directly to school boards involved with the education of dependents.

Fees to School Boards for Elementary and Secondary education

Expenditure \$ 54,900

ACTIVITY Air Navigational Services

SUB-ACTIVITY Air Services Training School

The school trains airport staff employed at self-supporting, international and other airports owned and controlled by the Ministry and at private airports. Employees of the department as well as non-employees are trained in the school.

**Grant to Post-Secondary Non-University
Institution operated by the department**

Expenditure \$ 1,512,000

ACTIVITY Canadian Coast Guard

The educational component of this activity consists in the operation of the Canadian Coast Guard College at Sydney, Nova Scotia, for the training of junior officers for the Canadian Coast Guard Fleet.

TRANSPORT

The officer cadets under training are considered government employees, although they receive an allowance rather than a wage or salary.

Grant to Post-Secondary Non-University Institutions operated by the department

Expenditure	\$ 1,627,000
-------------	--------------

PROGRAM Transportation Development Agency Program

ACTIVITY Research and Development

The educational component of the above is through the support of research which will provide and interpret information, assess and apply new technology, plan and manage specific transportation and related projects of interest to the agency program.

Research Grants to Universities

In order to qualify for support the research must be in a field consistent with program objectives.

Expenditure	\$ 165,000
-------------	------------

Research Contracts with Universities

In order to receive a contract the university must have the research expertise and capabilities to successfully complete the project in the specified time limitations.

Expenditure	\$ 254,900
-------------	------------

TRANSPORT

Fellowships to Graduate Students

Post-graduate fellowships are awarded for full-time study in any discipline related to transportation. Candidates must be working at the Master's or Doctoral level, have high academic qualifications, and, be recommended by a university.

Expenditure \$ 173,000
Number 55
Specialization Interdisciplinary

PROGRAM Surface Transportation

ACTIVITY Road and Motor Vehicle Safety

The educational component involves support of traffic research and development of safety standards.

Research Contracts with Universities

In order to receive a contract the university must have the research expertise and capabilities to successfully complete the project in the specified time limitations.

Expenditure \$ 237,000

TOTAL \$ 4,023,800

CONTACT Transport Canada
Floor 24G
Place de Ville
Ottawa K1A 0N5 Telephone 992-6392

URBAN AFFAIRS

PROGRAM Urban Affairs

ACTIVITY Policy and Research

The program is not designed to achieve any educational objectives, however, contracting for expertise, the best candidate is sought, whether from universities, consulting firms, non-profit institutions, etc. The objectives of the contracts are related to the provision of policy advice to the minister and to the cabinet on urban affairs.

Research Contracts with Universities

Within established cost constraints, the recipient must have a reasonable level of qualifications indicative of an ability to carry out the required work.

Expenditure \$ 734,000

TOTAL \$ 734,000

CONTACT **Urban Affairs**
Policy & Research Branch
1 Nicholas Street
Ottawa K1A 0P6 **Telephone 996-0089**

VETERANS AFFAIRS

PROGRAM Welfare Services
ACTIVITY Welfare Services
SUB-ACTIVITY Pensioners' Training Regulations

The educational component, established in 1954, provides for a limited vocational or academic training or retraining program for recipients of a disability pension from the Canadian Pension Commission and who are by reason of their pensionable or non-pensionable disability, unable to continue in their former occupation.

In meeting the objectives of the scheme some consultation occurs with Canada Manpower Centres with reference to veterans seeking vocational training. Occasionally, consultation occurs directly with the educational institution to access the student's learning potential.

Allowances to Students

A recipient is eligible for assistance if in the opinion of a full-time Medical Officer of the Department, the pensioner is by reason of his pensionable or non-pensionable disability, or both, unable to follow his former occupation or it is apparent that he cannot be placed in his former occupation.

Undergraduates

Expenditure \$ 5,500
Number 3
Specialization
 Education; Fine &
 Applied Arts; Social
 Sciences & Related

VETERANS AFFAIRS

Masters

Expenditure \$ 1,700
Number 1
Specialization
Fine & Applied Arts

Vocational

Expenditure \$ 7,000
Number 5

Expenditure \$ 14,200

SUB-ACTIVITY Children of War Dead (Education
Act Assistance)

This activity, established in 1953, is designed to provide post-secondary educational assistance for children of certain deceased members of the armed forces and of other persons.

Eligibility under the Act is dependant upon rulings made by the Canadian Pension Commission, consequently, there is close collaboration between the two programs. In addition collaboration often occurs with the educational institutions for payment of fees for approved students and, in some cases, to obtain additional information on type of training taken by students.

Allowance and Fees for Students

Eligibility for assistance under this Act is dependent upon a pension being paid in respect of the applicant by the Canadian Pension Commission, or having been paid during some period prior to application for training. Eligible students may be given assistance to undertake studies in Canada: in universities, colleges, faculties and schools, including

VETERANS AFFAIRS

teaching hospitals, teacher training colleges and provincial technical institutes, provided the admission requirements are secondary school graduation or equivalent education.

Undergraduate

Expenditure \$ 937,000
Number 847

Graduate

Expenditure \$ 8,000
Number 8

Expenditure \$ 945,000

TOTAL \$ 959,200

CONTACT

Veterans Affairs Department
284 Wellington Street
Ottawa K1A 0P4

Telephone 992-3174

APPENDIX A

TABLES

TABLE I
TOTAL FEDERAL GOVERNMENT SUPPORT OF EDUCATIONAL ACTIVITIES
1972-73

DEPARTMENT/AGENCY	SUPPORT PROVIDED TO:	INDIVIDUALS		INSTITUTIONS NOT OPERATED BY FEDERAL DEPARTMENT		Provinces (THOUSANDS OF DOLLARS)	Municipal School Boards / Committees	Institutions Operated by Departments	Unable to Separate Level	Miscellaneous Reimbursement	TOTAL
		Faculty	Students ¹	Post-Secondary	Elementary / Secondary						
Agriculture		700.0	188.1	-	-	-	-	-	-	-	888.1
Atomic Energy of Canada		-	-	587.0	-	-	-	-	-	-	587.0
Atomic Energy Control Board		2,595.0	-	5,300.0	-	-	-	-	-	-	7,895.0
Canada Council		7,069.0	9,200.0	1,496.5	2.0	1,189.0	-	-	-	-	17,765.5
Canadian Broadcasting Corporation		-	-	2.0	-	-	-	-	-	-	1,391.0
Canadian International Development Agency		-	37.4	810.0	-	-	-	-	-	-	40,517.4
Canadian Penitentiary Service		-	-	-	-	338.1	-	-	-	-	1,416.1
Canadian Radio & Television Commission		-	-	75.0	-	-	-	-	-	-	75.0
Canadian Transport Commission		-	-	10.0	-	-	-	-	-	-	10.0
Central Mortgage & Housing Corporation		431.4	924.9	-	-	3,800.0 ³	-	-	-	-	5,156.3
Communications		-	-	567.9	-	-	-	-	-	-	567.9
Consumer & Corporate Affairs		-	-	2.0	-	-	-	-	-	-	2.0
Defence Research Board		3,000.0	-	244.0	-	-	-	-	-	-	3,244.0
Eldorado Nuclear Limited		-	2.8	-	-	-	-	-	-	-	2.8
Energy, Mines & Resources		865.0	-	-	-	-	-	-	-	-	865.0
Environment		560.1	11.5	1,911.6	-	-	-	-	-	-	2,481.2
External Affairs		6.5	-	408.4	-	-	-	-	-	-	414.9
Finance		-	116,023.0 ⁴	28.1	-	508,064.0	-	-	-	-	626,115.1
Indian & Northern Affairs		-	8,073.0	1,805.8	-	3,162.0	325.0	738.0	-	-	110,521.8
Industry, Trade & Commerce		199.4	64.0	192.5	-	-	-	-	-	-	455.9
Justice		-	16.0	-	-	-	-	-	-	-	16.0
Labour		31.1	8.9	-	-	-	-	-	-	-	40.0
Manpower & Immigration		37.7	146,103.5	161.0	-	172,201.1	-	-	-	-	318,503.3
Medical Research Council		35,261.0	918.8	-	-	-	-	-	-	-	36,179.8
National Defence		-	12,186.8	225.0	-	-	-	-	-	-	55,970.8
National Film Board		-	-	-	-	839.0	-	-	-	-	859.0
National Health & Welfare		5,831.0	1,127.6	310.1	22.7	98,028.0	-	-	-	-	105,319.4
National Museums		468.0	2.5	288.8	-	-	-	-	-	-	759.3
National Research Council ⁷		56,766.0	8,180.2	506.8	-	-	-	-	-	-	65,651.4
Regional Economic Expansion		-	-	506.8	8,576.0	-	762.0	5,565.0 ⁸	-	-	18,116.0
Secretary of State		272.8	1,017.5 ⁹	430.1	-	543,981.2	-	-	-	-	565,701.6
Science Council of Canada		33.6	-	104.5	-	-	-	-	-	-	138.1
Solicitor General		-	-	145.5	-	-	-	-	-	-	145.5
Statistics Canada		129.1	-	-	-	-	-	-	-	-	129.1
Transport		-	173.0	636.9	-	-	-	54.9	-	-	4,023.8
Urban Affairs		-	-	734.0	-	-	-	-	-	-	734.0
Veterans Affairs		-	959.2	-	-	-	-	-	-	-	959.2
TOTAL		114,237.3	307,418.7	20,212.3	9,965.0	8,181.8	1,323,361.3	6,748.9	60,822.0	97,931.0	1,973,630.3

¹Including Post-Doctoral.

²Minus the reimbursement.

³\$61.3 thousand given to provinces for student bursaries.

⁴In general, NRC awards are granted to individuals, but in the case of faculty members, frequently their receipt is dependent upon affiliation with a university environment.

⁵Consists of loans funds which eventually will revert to the federal treasury.

⁶\$84,000 thousand is Revenue foregone rather than a direct expenditure; \$36 million is for tuition fee deductions which can only be claimed by the students themselves; \$50 million is for education cost deductions claimed by either the student or a supporting individual.

⁷\$504.7 thousand given to provinces for student bursaries.

TABLE 2
SUPPORT TO FACULTY MEMBERS

Departments/ Agencies	Nature of Support	Research Grants			Research Contracts			Research Fellowships			Leave Fellowships			Travel Grants			TOTAL Faculty Members		TOTAL Department/ Agency	
		\$'000	#	\$'000	#	\$'000	#	\$'000	#	\$'000	#	\$'000	#	\$'000	#	\$'000	\$'000	\$'000	\$'000	
Agriculture		700.0	171	-	-	-	-	-	-	-	-	-	-	-	-	700.0	700.0	888.1		
Atomic Energy Control Board		2,499.0	13	96.0	3	-	-	250.0	25	2,382.0	300	266.0	48	-	-	2,595.0	2,595.0	7,895.0		
Canada Council		4,171.0	769	-	-	-	-	-	-	-	-	-	-	-	-	7,069.0	7,069.0	17,765.5		
Central Mortgage & Housing		431.4	20	-	-	-	-	-	-	-	-	-	-	-	-	431.4	431.4	5,156.3		
Defence Research Board		3,000.0	450	-	-	-	-	-	-	-	-	-	-	-	-	3,000.0	3,000.0	3,244.0		
Energy, Mines & Resources		865.0	111	-	-	96.4	15	-	-	-	-	-	-	-	-	865.0	865.0	2,483.2		
Environment		463.7	88	-	-	6.5	3	-	-	-	-	-	-	-	-	560.1	560.1	414.9		
External Affairs		-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.5	6.5	455.9		
Industry, Trade & Commerce		199.4	13	-	-	-	-	-	-	-	-	-	-	-	-	199.4	199.4	31.1		
Labour		31.1	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.0		
Manpower & Immigration		37.7	8	-	-	-	-	7,923. ^{1}	523	-	-	-	-	-	-	37.7	318,503.3	36,179.8		
Medical Research Council		27,337. ^{2}	1,413	-	-	1,030.6 ^{3}	40	-	-	-	-	-	-	-	-	35,261.0	35,261.0	105,319.4		
National Health & Welfare		4,800.4 ^{2}	253	-	-	443.0	80	-	25.0	3	-	-	-	-	-	5,831.0	5,831.0	759.3		
National Museums		-	-	-	-	-	-	-	-	-	-	-	-	-	-	468.0	468.0	65,651.4		
National Research Council		55,970.6 ^{4}	6,087	-	-	407.7	18	-	-	-	-	388.3	231	-	-	56,766.0	56,766.0			
Secretary of State		230.0	6	-	-	42.8	8	-	-	-	-	-	-	-	-	272.8	272.8	545,701.6		
Science Council of Canada		-	-	-	-	33.6	11	-	-	-	-	-	-	-	-	33.6	33.6	138.1		
Statistics Canada		-	-	-	-	129.1	23	-	-	-	-	-	-	-	-	129.1	129.1	129.1		
TOTALS		100,737.0	9,413	2,285.7	201	8,198.3	551	2,382.0	300	654.3	279	114,257.3				1,111,589.9				

¹ Including \$1,951.0 thousand in associateships;
\$2,351.4 thousand in scholarships; and
\$3,620.9 thousand in fellowships.

² \$3,257.7 thousand through Public Health Research Grants; \$1,525.4 thousand through National Health Grants; \$17.3 thousand through National Welfare Grants.

³ \$252.5 thousand through Abuse of Drugs; \$141.0 thousand through Use of Tobacco; and, \$637.1 thousand through the Health Protection Program.

⁴ Includes research operating and capital costs; in some instances even though the award is made on behalf of an individual or group of researchers, it is contingent upon research conducted within the university environment.

TABLE 3
SUPPORT TO STUDENTS BY TYPE OF SUPPORT

DEPARTMENT / AGENCY	TYPE OF SUPPORT	Fellowships	Scholarships	Bursaries	Grants	Allowances	(\$'000)	Research Grants	Research Contracts	Research	Loan Guarantees	Tax Deductions	TOTAL Student Support	TOTAL Department / Agency
Agriculture		188.1	-	-	-	-	-	-	-	-	-	-	188.1	888.1
Canada Council		8,800.0	400.0	-	-	-	-	-	-	-	-	-	9,200.0	17,765.5
C.I.D.A.		-	37.4	-	-	-	-	-	-	-	-	-	37.4	40,517.4
CHMC		924.9	-	-	-	-	-	-	-	-	-	-	924.9	5,156.3
Eldorado Nuclear		-	1.3	1.5	-	-	-	-	-	-	-	-	2.8	2.8
Environment		-	10.0	-	-	-	-	-	-	1.5	-	-	11.5	2,483.2
Finance		-	-	1,857.0	-	-	-	-	-	-	-	-	118,023.0	626,115.1
Indian & Northern Affairs		32.0	61.0	-	-	6,123.0	-	-	-	-	-	-	8,073.0	110,521.8
Industry, Trade & Commerce		-	64.0	-	-	-	-	-	-	-	-	-	64.0	455.9
Justice		16.0	-	-	-	-	-	-	-	-	-	-	16.0	16.0
Labour		-	-	-	-	-	8.9	-	-	-	-	-	8.9	40.0
Manpower & Immigration		-	-	-	-	-	-	146,103.5	-	-	-	-	146,103.5	318,503.3
Medical Research Council		-	918.8	-	-	-	-	-	-	-	-	-	918.8	36,179.8
National Defence		20.1	16.3	-	-	12,150.4	-	-	-	-	-	-	12,186.8	55,980.8
National Health & Welfare		180.3	-	61.3	886.3	-	-	-	-	-	-	-	1,127.6	105,319.4
National Museums		-	2.5	-	-	-	-	-	-	-	-	-	2.5	759.3
National Research Council		1,273.6	6,142.5	964.13	-	-	-	-	-	-	-	-	8,380.2	65,651.4
Secretary of State		-	512.8	504.7	-	-	-	-	-	-	-	-	1,017.5	545,701.6
Transport		173.0	-	-	-	-	-	-	-	-	-	-	173.0	4,023.8
Veterans Affairs		-	-	-	959.2	-	-	-	-	-	-	-	959.2	959.2
TOTALS		11,608.0	8,166.6	3,388.6	886.0	165,336.1	8.9	1.5	34,023.0	84,000.0	307,418.7	1,937,040.7		

¹ Finance does not give loans to students directly.
The federal government makes payments to provinces for interest, claims and alternate payments to Quebec which does not participate in the plan.

² Tuition fee and education tax deductions - Revenue Foregone.

³ Provinces are the direct recipients and administrators of the funds.

**SUPPORT TO STUDENTS BY LEVEL OF STUDY,
TYPE OF SUPPORT, DEPARTMENT/AGENCY**

SUPPORT THROUGH:	Post-Doctoral	Masters/ Doctoral/ Professional	POST-SECONDARY			Elementary & Secondary	All levels unable to separate	TOTAL
			Undergraduate	Level Not Stated (Thousands of dollars)	Colleges & Related			
Fellowships, Scholarships, Bursaries & Grants								
Agriculture	188.1	-	-	-	-	-	-	188.1
Canada Council	-	9,200.0	-	-	-	-	-	9,200.0
C.I.D.A.	-	37.4	-	-	-	-	-	37.4
CMHC	-	924.9	-	-	-	-	-	924.9
Eldorado Nuclear	-	-	1.3	-	-	1.5	-	2.8
Environment	-	-	10.0	-	-	-	-	10.0
Indian & Northern Affairs	-	40.0	32.0	-	-	-	-	1,950.0
Industry, Trade & Commerce	-	64.0	-	-	-	-	-	64.0
Justice	-	16.0	-	-	-	-	-	16.0
Medical Research Council	-	918.8	-	-	-	-	-	918.8
National Defence	20.1	16.3	-	-	-	-	-	36.4
National Health & Welfare	-	180.3	-	827.3	56.0	-	-	1,127.6
National Museums	-	2.5	-	-	-	-	-	2.5
National Research Council	1,273.6	7,106.6	-	-	-	-	-	8,380.2
Secretary of State	-	-	1,017.5	-	-	-	-	1,017.5
Transport	-	173.0	-	-	-	-	-	173.0
Sub-Total	1,481.8	18,679.8	43.3	1,844.8	56.0	1,878.0	1.5	24,049.2
Allowances								
Indian & Northern Affairs	-	-	-	-	-	4,243.0	-	1,880.0
Manpower & Immigration	-	-	-	-	-	146,103.5	-	146,103.5
National Defence	-	1,791.0	9,692.4	-	-	-	667.0	12,150.4
Veterans Affairs	-	9.7	942.5	-	-	-	7.0	959.2
Sub-Total	-	1,800.7	10,634.9	-	-	4,243.0	146,110.5	165,336.1
Research Grant	-	-	-	-	-	-	-	-
Labour	-	8.9	-	-	-	-	-	8.9
Research Contract	-	-	-	1.5	-	-	-	1.5
Environment	-	-	-	-	-	-	-	-
Loan Guarantees	-	-	-	-	-	34,023.0	-	34,023.0
Finance	-	-	-	-	-	-	-	-
Tax Deductions - Revenue Foregone	-	-	-	-	-	-	-	84,000.0
Finance	-	-	-	-	-	-	-	84,000.0
TOTAL	1,481.8	20,489.4	10,678.2	1,846.3	56.0	40,144.0	146,112.0	307,418.7

TABLE 5

SUPPORT TO INSTITUTIONS NOT OPERATED BY
FEDERAL DEPARTMENT/AGENCY

DEPARTMENT/AGENCY	POST-SECONDARY						TOTAL
	UNIVERSITIES Kerfult Grants	COLLEGES & RESEARCH CONTRACTS	OTHER GRANTS	GRANTS AWARDED SCHOLARSHIPS	SUB- TOTAL (Thousands of Dollars)	INSTITUTIONS LOANS	
Atomic Energy of Canada	-	567.0	-	-	587.0	-	587.0
Atomic Energy Control Board	5,300.0	-	1,478.0 ¹	18.5 ²	5,300.0	-	7,895.0
Canada Council	-	-	2.0	-	1,496.5	-	17,765.5
Canadian Broadcasting Corporation	-	-	-	-	810.0	-	1,391.0
Canadian International Development Agency	-	-	-	-	-	-	810.0
Canadian Penitentiary Service	-	-	-	-	-	-	40,317.4
Canadian Radio & Television Commission	75.0	-	-	-	-	-	75.0
Canadian Transport Commission	-	-	-	-	-	-	10.0
Central Mortgage & Housing Corporation	-	567.9	-	-	-	-	567.9
Communications	-	-	-	-	-	-	567.9
Consumer & Corporate Affairs	2.0	244.0	-	68.5 ⁴	70.0 ⁶	-	2.0
Defence Research Board	1,200.0	381.1	192.0 ⁷	-	244.0	-	3,246.0
Environment	-	8.4	400.0	-	1,911.6	-	2,483.2
External Affairs	-	28.1	-	-	408.4	-	416.9
Finance	-	-	-	-	28.1	-	626,115.1
Indian & Northern Affairs	397.4	882.4	441.0 ⁸	-	1,803.8	-	4,965.8
Industry, Trade & Commerce	-	-	192.5 ⁹	-	192.5	-	110,521.8
Manpower & Immigration	-	161.0	-	-	161.0	-	455.9
National Defence	-	-	225.0 ¹⁰	-	225.0	-	161.0
National Film Board	-	-	-	-	-	-	318,503.3
National Health & Welfare	117.5	2.0	190.6 ¹¹	-	210.1	-	55,980.8
National Museums	-	-	19.5 ¹²	-	288.8	-	859.0
National Research Council	398.2	-	106.4 ¹⁶	-	504.6	-	545.7
Regional Economic Expansion	-	-	1,624.0 ¹⁷	1,589.0 ¹⁷	3,213.0	-	11,789.0
Secretary of State	176.1	155.0	99.0 ¹⁸	-	430.1	-	545,701.6
Science Council of Canada	-	-	-	-	-	-	430.1
Solicitor General	-	104.5	-	-	104.5	-	104.5
Transport	92.0	50.0	3.5 ¹⁹	-	145.5	-	145.5
Urban Affairs	165.0	491.9	-	-	656.9	-	656.9
TOTAL	7,923.2	4,377.3	4,973.5	68.5	1,790.5	20,212.3	4,043.7
						338.1	3,800.0
							35,359.1
							1,934,550.3

¹ Includes grants for publications, manuscripts, conferences & artists-in-residence.

² Artist-in-Residence

³ Films

⁴ Funds eventually will revert to the Federal Treasury

⁵ Contract for a special course

⁶ For operation of Forestry Schools

⁷ Capital Grant for construction of East-Asian Centre

⁸ Consultative Services

⁹ Assistance in course establishment

¹⁰ For Strategic Studies Programs

¹¹ Film usage

¹² Pamphlets, etc.

¹³ \$169.6 thousand Training Assistance; \$21. thousand educational film

¹⁴ Training Assistance

¹⁵ Documentation Assistance

¹⁶ Conference Grants

¹⁷ Capital Assistance

¹⁸ Translating School

¹⁹ Loan of Personnel

TABLE 6
SUPPORT THROUGH GOVERNMENTS AND LEVEL SUPPORTED

TYPE OF GOVERNMENT AND LEVEL DEPARTMENT/ AGENCY	Provincial Governments ¹			Municipality/School Board/ School Committee		Level of Government Unable to Separate	TOTAL Through Governments	TOTAL	TOTAL Department/ Agency
	Vocational & Related	Elementary & Secondary	Loans ² for Vocational & Related	Contracts/Fees/Grants for Elementary Secondary Education					
Post-Secondary Education	-	-	-	(thousands of dollars)	78.0	-	78.0	1,416.1	
Canadian Penitentiary Service	-	-	-		-	-	-	508,064.0	626,115.1
Finance	508,064.0	-	-		-	-	-		
Indian & Northern Affairs	325.0	-	-		738.0	33,019.0	34,082.0	110,521.8	
Manpower & Immigration	29.1 ³	172,172.0	-		-	-	-	172,201.1	318,505.3
National Defence	-	-	-		313.0	7,803.0	-8,116.0	55,980.6	
National Health & Welfare	98,028.0 ⁴	-	-		-	-	98,028.0	105,319.4	
Regional Economic Expansion	-	762.0	-		5,565.0	-	6,327.0	18,115.0	
Secretary of State	489,597.3	-	54,383.9		-	-	543,981.2	545,701.6	
Transport	-	-	-		54.9	-	54.9	4,023.8	
TOTALS	1,096,043.4	172,934.0	54,383.9		5,565.0	1,183.9	40,822.0	1,370,932.2	1,785,627.9

¹Funds which went to the provinces for use as student assistance are itemized in Tables 3 & 4.

²Eventually will revert to the federal government Treasury.
³Funds were for research which would be conducted within a university environment.
⁴\$114.9 thousand were specifically for research conducted within a university environment.

TABLE 7
 SUPPORT OF INSTITUTIONS OPERATED
 BY FEDERAL DEPARTMENTS & AGENCIES

DEPARTMENT / AGENCY	TYPE OF INSTITUTIONS	Post-Secondary		Reimbursement From Provinces	Institutions operated by Department/Agency	TOTAL Department/ Agency
		Elementary & Secondary	University (thousands of dollars)			
Canadian Penitentiary Service	1,000.0	-	-	-	1,000.0	1,416.1
Indian & Northern Affairs	50,806.0 ¹	-	-	-	50,806.0	110,521.8
National Defence	23,762.0	19,224.0	-	-7,533.0	35,453.0	55,980.8
Transport	-	-	3,139.0	-	3,139.0	4,023.8
TOTALS	75,568.0	19,224.0	3,139.0	-7,533.0	90,398.0	171,942.5

¹ Including \$15,945.0 thousand for residences

TABLE 8
MISCELLANEOUS SUPPORT OF EDUCATIONAL ACTIVITIES

		TOTAL Department/Agency (thousands of dollars)
Canadian International Development Agency - Development Technical Assistance		39,670.0
Indian & Northern Affairs -		
Public Library Grants	162.0	
Books & Supplies	66.0	
Mid-day Lunches	693.0	
Room & Board	4,237.0	
Transportation	7,437.0	
	12,595.0	
		110,521.8
TOTAL	52,265.0	
		151,039.2

APPENDIX B PARTICIPATING DEPARTMENTS & AGENCIES

1) REPORTING ACTIVITIES IN SUPPORT OF EDUCATION

Agriculture

Atomic Energy of Canada

Atomic Energy Control Board

Canada Council

Canadian Broadcasting Corporation

Canadian International Development Agency

Canadian Penitentiary Service

Canadian Radio & Television Commission

Canadian Transport Commission

Central Mortgage & Housing Corporation

Communications

Consumer & Corporate Affairs

Defence Research Board

Eldorado Nuclear Limited

Energy, Mines & Resources

Environment

External Affairs

Finance

Indian & Northern Affairs

Industry, Trade & Commerce

Justice

Labour

Manpower & Immigration

Medical Research Council

National Defence

National Film Board

National Health & Welfare

National Museums

National Research Council

Regional Economic Expansion

Secretary of State

Science Council of Canada

Solicitor General

Statistics Canada

Transport

Urban Affairs

Veterans Affairs

2) REPORTING NO ACTIVITIES IN SUPPORT OF EDUCATION

Bank of Canada
Canadian Dairy Commission
Canadian Pension Commission
Commission of Official Languages
Economic Council
Export Development Corporation
Farm Credit Corporation
Immigration Appeal Board
Information Canada
Insurance
International Joint Commission
National Capital Commission
National Energy Board
National Library
National Parole Board
National Revenue
Post Office
Public Archives
Public Service Commission
Public Works
Representation Commissioner
Royal Canadian Mounted Police
Science & Technology
St. Lawrence Seaway Authority
Supply & Services
Tariff Board
Tax Review Board
Treasury Board
Unemployment Insurance
War Veterans Allowance Board



